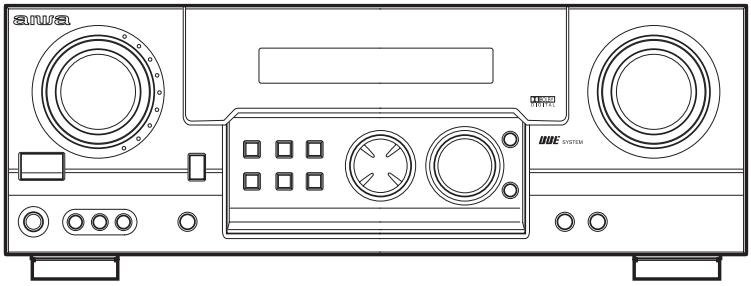
aiwa SERVICE

AV-D58 EZ



SERVICE MANUAL

STEREO RECEIVER

aiwa

S/M Code No. 09-016-444-0R2

SPECIFICATIONS

<FM tuner section>
Tuning range 87.5 MHz to 108 MHz
Usable sensitivity (IHF) 16.8 dBf
Antenna terminals 75 ohms (unbalanced)

<MW tuner section>
Tuning range 531 kHz to 1602 kHz (9 kHz step)
530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity 350 µV/m
Antenna Loop antenna

<LW tuner section>
Tuning range 144 kHz to 290 kHz
Usable sensitivity 1400 µV/m
Antenna Loop antenna

<Amplifier section>
Power output

Front
Rated: 70 W + 70 W (1 kHz/DIN 45500, T.H.D.1 %, 8 ohms)
Reference: 85 W + 85 W (1 kHz/DIN 45324,T.H.D.10 %, 8 ohms)
Rear (Surround)
Rated: 70 W + 70 W (1 kHz/DIN 45500, T.H.D.1 %, 8 ohms)
Reference: 85 W + 85 W (1 kHz/DIN 45324,T.H.D.10 %, 8 ohms)
DIN MUSIC POWER: 180 W +180 W
Center
Rated: 70 W (1 kHz/DIN 45500, T.H.D.1 %, 8 ohms)
Reference: 85 W (1kHz/DIN 45324, T.H.D.10 %, 8 ohms)
DIN MUSIC POWER: 180 W

Total harmonic distortion 0.1 % (50 W, 1 kHz, 8 ohms, Front)
Inputs
AUDIO IN
PHONO : 2.5 mV, adjustable (47 kohms)
VIDEO 1/DVD/MD, VIDEO 2/ LD/TV, VIDEO 3, CD : 300 mV adjustable (47 kohms)
TAPE MONITOR : 350 mV, adjustable (47 kohms)
AUX : 300 mV, adjustable (47 kohms)
DIGITAL IN
COAXIAL (VIDEO 2) :
OPTICAL (VIDEO 1) :
accept linear PCM signals and bit stream of Dolby Digital and DTS Surround (32 kHz, 44.1 kHz and 48 kHz and 96 kHz)
VIDEO IN : 1 Vp-p (75 ohms)

Outputs AUDIO OUT (REC OUT) : 300 mV (1 kohm)
VIDEO OUT (MONITOR) : 1 Vp-p (75 ohms)
SUPER WOOFER : 1.5 V
FRONT SPEAKERS IMP : 8 ohms : accepts speakers of 8 ohms or more
SURROUND SPEAKERS IMP : 8 ohms : accepts speakers of 8 ohms or more
CENTER SPEAKERS IMP : 8 ohms : accepts speakers of 8 ohms or more
PHONES (stereo jack) : accepts headphones of 32 ohms or more -20 dB
Muting -20 dB

<General>
Power requirements 230 V AC, 50 Hz
Power consumption 185 W
Power consumption in standby mode ECO OFF : 35.6 W
ECO ON : 1.3 W
Dimensions of main unit (W x **H** x **D)** 430 x 155 x 402 mm
Weight of main unit 8.7 kg

• Design and specifications are subject to change without notice.

• Manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY", the double-D symbol and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

• Manufactured under license from Digital Theater System, Inc. US Pat. No. 5,451,942 and other worldwide patents issued and pending. "DTS" and "DTS Digital Surround" are trademarks of Digital Theater System Inc. ©1996 Digital Theater system, Inc. All rights reserved.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A21-760-040		C-IC,NJM4580V
	8B-AR3-602-030		C-IC,UPD780228GF-084
	87-A21-831-010		IC,SPS-422-1-F1
	87-020-784-040		C-IC,TC4053BF
	87-A21-703-040		C-IC,SN74LV244APW
	87-A21-916-040		C-IC,SN74LV125APW
	87-A21-825-040		C-IC,M61501FP
	87-A21-884-030		C-IC,CS4228A
	87-017-585-080		C-IC,NJM4580E
	87-020-903-010		IC,NJM7805FA
	87-A21-883-030		C-IC,CS8415A
	87-A20-870-010		IC,GP1F37R
	87-A21-885-030		C-IC,CS49326
	87-A21-695-010		IC,LA1845L
	87-A20-820-010		IC,BA7625
	87-A21-928-010		IC,LC72131D-N
	87-017-917-080		C-IC,BU4066BCF
	87-A20-440-040		C-IC,BU1920FS
TRANSISTOR			
	87-026-245-080		TR,DTC114ES
	87-A30-612-080		TR,2SC5343Y
	87-A30-476-010		TR,KTA1046Y
	87-A30-071-080		C-TR,RT1N 144C
	89-110-372-080		TR,2SA1037K(R)
	87-A30-085-040		C-TR,CSA1362GR
	89-318-155-080		TR,2SC1815GR
	87-026-213-080		C-TR,DTC114YKA
	89-320-011-080		TR,2SC2001K
	87-A30-629-010		TR,2SA1931
	89-110-155-080		TR,2SA1015GR
	87-A30-494-080		TR,2SA1980G
	87-A30-097-010		TR,FN 1016
	87-A30-107-070		C-TR,CMBT5401
	87-A30-098-010		TR,FP 1016
	87-A30-268-040		C-TR,2SA1514K(S)
	87-A30-075-080		C-TR,2SA1235F
	87-A30-257-080		C-TR,2SD1306E
	87-A30-076-080		C-TR,2SC3052F
	86-NFZ-667-040		C-TR,DTC123JKA
	87-A30-106-070		C-TR,CMBT5551
	87-A30-087-080		C-FET,2SK2158
	87-A30-196-080		TR,2SC4115SRS
	87-A30-086-040		C-TR,CSD1306E
	87-A30-484-080		C-TR,KRA102S
	87-A30-190-080		TR,CC5551
	87-A30-186-010		FET,2SK3053
	87-A30-072-080		C-TR,RT1P 144C
	89-327-143-080		TR,2SC2714O
	87-A30-489-080		C-TR,KRA107S
	89-503-602-080		C-FET,2SK360E
	87-A30-234-080		TR,CSC4115BC
	89-213-702-010		TR,2SB1370E
DIODE			
	87-020-465-080		DIODE,1SS133
	87-A40-749-080		ZENER,UZ5.6BSB
	87-A40-755-080		ZENER,UZ7.5BSA
	87-A40-748-080		ZENER,UZ5.6BSA
	87-A40-547-090		DIODE,D5SBA20
	87-A40-269-080		C-DIODE,MC2836
	87-A40-270-080		C-DIODE,MC2838
	87-A40-768-080		ZENER,UZ16BSA
	87-A40-956-080		DIODE,EK04
	87-070-274-080		DIODE,1N4003 SEM
	87-A40-673-090		DIODE,D10XB20
	87-A40-780-080		ZENER,UZ33BSD
	87-A40-747-080		ZENER,UZ5.1BSB
	87-A40-752-080		ZENER,UZ6.2BSC
	87-A40-764-080		ZENER,UZ10BSC
	87-A40-740-080		ZENER,UZ3.3BSA
	87-A40-757-080		ZENER,UZ7.5BSC
	87-A40-488-080		DIODE,1SS244
	87-A40-751-080		ZENER,UZ6.2BSB
	87-A40-646-010		DIODE,FMB-G16L
	87-017-149-080		ZENER,HZS6A2L
	87-A40-744-080		ZENER,UZ4.3BSB
	87-A40-739-080		ZENER,UZ2.7BSA
MAIN C.B			
C6	87-012-195-080		C-CAP,U 100P-50 J CH
C7	87-012-195-080		C-CAP,U 100P-50 J CH
C11	87-012-195-080		C-CAP,U 100P-50 J CH
C12	87-012-195-080		C-CAP,U 100P-50 J CH
C101	87-010-235-080		CAP,E 470-16 SME
C102	87-A12-072-080		CAP,E 100-25 SMG
C103	87-A12-068-080		CAP,E 470-16 SMG
C104	87-A12-076-080		CAP,E 22-35 SMG
C105	87-A12-072-080		CAP,E 100-25 SMG
C106	87-A12-091-080		CAP,E 10-50 SMG
C107	87-A12-080-080		CAP,E 220-35 SMG
C109	87-A10-712-080		C-CAP,S 0.22-50 ZF
C110	87-A10-712-080		C-CAP,S 0.22-50 ZF
C111	87-A10-712-080		C-CAP,S 0.22-50 ZF
C112	87-A10-712-080		C-CAP,S 0.22-50 ZF
C113	87-A12-830-000		CAP,E 4700-35 M 85 GS
C114	87-A12-830-000		CAP,E 4700-35 M 85 GS
C115	87-A10-712-080		C-CAP,S 0.22-50 ZF
C116	87-A10-712-080		C-CAP,S 0.22-50 ZF
C117	87-A10-712-080		C-CAP,S 0.22-50 ZF
C118	87-A10-712-080		C-CAP,S 0.22-50 ZF
C119	87-016-520-090		CAP,E 3300-65 M SMG
C120	87-016-520-090		CAP,E 3300-65 M SMG
C121	87-A12-072-080		CAP,E 100-25 SMG
C122	87-A12-089-080		CAP,E 3.3-50 SMG
C126	87-A12-091-080		CAP,E 10-50 SMG
C127	87-012-286-080		C-CAP,U 0.01-25
C129	87-A10-712-080		C-CAP,S 0.22-50 ZF
C130	87-A10-712-080		C-CAP,S 0.22-50 ZF
C132	87-010-405-080		CAP,E 10-50
C135	87-A12-828-000		CAP,E 3300-65 M GS
C136	87-A12-828-000		CAP,E 3300-65 M GS
C145	87-012-286-080		C-CAP,U 0.01-25
C203	87-012-368-080		C-CAP,S 0.1-50 ZF
C204	87-012-368-080		C-CAP,S 0.1-50 ZF
C205	87-012-368-080		C-CAP,S 0.1-50 ZF
C206	87-012-368-080		C-CAP,S 0.1-50 ZF
C207	87-012-282-080		C-CAP,U 4700P-50
C208	87-012-282-080		C-CAP,U 4700P-50
C211	87-012-282-080		C-CAP,U 4700P-50
C217	87-016-460-080		C-CAP,S 0.22-16 KB
C218	87-016-460-080		C-CAP,U 0.22-16 KB
C300	87-A11-548-080		C-CAP,S 560P-50 KB
C303	87-012-275-080		C-CAP,U 1200P-50 B
C304	87-012-275-080		C-CAP,U 1200P-50 B
C305	87-A12-090-080		CAP,E 4.7-50 SMG
C306	87-A12-090-080		CAP,E 4.7-50 SMG
C307	87-010-866-080		CAP,E 10-63 M VX
C308	87-010-866-080		CAP,E 10-63 M VX
C309	87-A12-092-080		CAP,E 22-50 SMG
C310	87-A12-092-080		CAP,E 22-50 SMG
C311	87-012-195-080		C-CAP,U 100P-50 CH
C312	87-012-195-080		C-CAP,U 100P-50 CH
C313	87-012-164-080		C-CAP,U 2P-50 CK
C314	87-012-164-080		C-CAP,U 2P-50 CK

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C315	87-A10-897-080		CAP,E 100-25 BP SME
C316	87-A10-897-080		CAP,E 100-25 BP SME
C317	87-A11-548-080		C-CAP,S 560P-50 KB
C318	87-A11-548-080		C-CAP,S 560P-50 KB
C319	87-012-368-080		C-CAP,S 0.1-50 ZF
C321	87-012-282-080		C-CAP,U 4700P-50
C322	87-012-368-080		C-CAP,S 0.1-50 ZF
C323	87-A11-548-080		C-CAP,S 560P-50 KB
C325	87-012-368-080		C-CAP,S 0.1-50 ZF
C326	87-012-282-080		C-CAP,U 4700P-50
C327	87-012-274-080		C-CAP,U 1000P-50 B
C328	87-012-274-080		C-CAP,U 1000P-50 B
C330	87-012-368-080		C-CAP,S 0.1-50 ZF
C331	87-012-368-080		C-CAP,S 0.1-50 ZF
C336	87-012-271-080		C-CAP,U 560P-50 KB
C341	87-012-271-080		C-CAP,U 560P-50 KB
C342	87-012-271-080		C-CAP,U 560P-50 KB
C343	87-012-271-080		C-CAP,U 560P-50 KB
C344	87-012-273-080		C-CAP,U 820P-50 B
C345	87-012-273-080		C-CAP,U 820P-50 B
C402	87-012-277-080		C-CAP,U 1800P-50 B
C403	87-A12-091-080		CAP,E 10-50 SMG
C404	87-A11-548-080		C-CAP,S 560P-50 KB
C405	87-A12-092-080		CAP,E 22-50 SMG
C406	87-012-195-080		C-CAP,U 100P-50 CH
C407	87-012-164-080		C-CAP,U 2P-50 CK
C408	87-A10-897-080		CAP,E 100-25 BP SME
C409	87-A11-548-080		C-CAP,S 560P-50 KB
C410	87-012-368-080		C-CAP,S 0.1-50 ZF
C411	87-012-282-080		C-CAP,U 4700P-50
C412	87-012-271-080		C-CAP,U 560P-50 KB
C413	87-012-368-080		C-CAP,S 0.1-50 ZF
C414	87-012-274-080		C-CAP,U 1000P-50 KB
C415	87-010-866-080		CAP,E 10-63 M VX
C416	87-016-299-080		CAP,E 10-100 M SME
C420	87-012-368-080		C-CAP,S 0.1-50 ZF
C421	87-012-271-080		C-CAP,U 560P-50 KB
C422	87-012-273-080		C-CAP,U 820P-50 B
C500	87-012-199-080		C-CAP,U 220P-50 J CH
C501	87-A12-090-080		CAP,E 4.7-50 SMG
C502	87-A12-090-080		CAP,E 4.7-50 SMG
C503	87-012-336-080		CAP,CHIP SS 3300 SL
C504	87-012-336-080		CAP,CHIP SS 3300 SL
C505	87-A10-305-080		CAP,M 0.068-50 J
C506	87-A10-305-080		CAP,M 0.068-50 J
C509	87-A10-298-080		CAP,M 0.018-50 J
C510	87-A10-298-080		CAP,M 0.018-50 J
C511	87-A12-090-080		CAP,E 4.7-50 SMG
C512	87-A12-090-080		CAP,E 4.7-50 SMG
C513	87-A12-071-080		CAP,E 47-25 SMG
C514	87-A12-071-080		CAP,E 47-25 SMG
C515	87-010-370-080		CAP,E 330-6.3 SME
C516	87-010-370-080		CAP,E 330-6.3 SME
C517	87-010-759-080		C-CAP,U 0.1-25 ZF
C518	87-016-083-080		C-CAP,S 0.15-16 RK
C519	87-016-083-080		C-CAP,S 0.15-16 RK
C525	87-012-199-080		C-CAP,U 220P-50 J CH
C526	87-012-199-080		C-CAP,U 220P-50 J CH
C527	87-012-199-080		C-CAP,U 220P-50 J CH
C528	87-012-199-080		C-CAP,U 220P-50 J CH
C529	87-012-199-080		C-CAP,U 220P-50 J CH
C530	87-012-199-080		C-CAP,U 220P-50 J CH
C531	87-A10-305-080		CAP,M 0.068-50 J
C532	87-A10-293-080		CAP,M 6800P-50 J
C533	87-016-083-080		C-CAP,S 0.15-16 RK
C536	87-A12-090-080		CAP,E 4.7-50 SMG
C537	87-012-274-080		C-CAP,U 1000P-50 B
C538	87-010-759-080		C-CAP,U 0.1-25 ZF
C539	87-A12-087-080		CAP,E 1-50 SMG
C540	87-010-248-080		CAP,E 220-10M 11L SME
C541	87-A10-293-080		CAP,M 6800P-50 J
C542	87-A10-293-080		CAP,M 6800P-50 J
C543	87-A12-091-080		CAP,E 10-50 SMG
C544	87-A12-091-080		CAP,E 10-50 SMG
C545	87-010-759-080		C-CAP,U 0.1-25 F
C546	87-A10-305-080		CAP,M 0.068-50 J
C547	87-010-759-080		C-CAP,U 0.1-25 F
C549	87-010-759-080		C-CAP,U 0.1-25 F
C554	87-016-083-080		C-CAP,S 0.15-16 RK
C555	87-A12-090-080		CAP,E 4.7-50 SMG
C556	87-A12-091-080		CAP,E 10-50 SMG
C559	87-A10-293-080		CAP,M 6800P-50 J
C560	87-010-759-080		C-CAP,U 0.1-25 F
C561	87-A10-039-080		C-CAP,U 470P-50 J CH
C562	87-A10-039-080		C-CAP,U 470P-50 J CH
C565	87-A12-090-080		CAP,E 4.7-50 SMG
C566	87-A12-090-080		CAP,E 4.7-50 SMG
C567	87-A12-090-080		CAP,E 4.7-50 SMG
C568	87-A12-090-080		CAP,E 4.7-50 SMG
C569	87-A12-090-080		CAP,E 4.7-50 SMG
C570	87-A12-090-080		CAP,E 4.7-50 SMG
C571	87-A12-090-080		CAP,E 4.7-50 SMG
C572	87-A12-090-080		CAP,E 4.7-50 SMG
C577	87-A12-062-080		CAP,E 100-10 SMG
C578	87-012-199-080		C-CAP,S 220P-50 J CH
C579	87-010-759-080		C-CAP,U 0.1-25 F
C700	87-A12-090-080		CAP,E 4.7-50 SMG
C702	87-010-759-080		C-CAP,U 0.1-25 F
C703	87-A10-918-080		CAP,E 100-16 SMG
C704	87-A12-090-080		CAP,E 4.7-50 SMG
C705	87-010-190-080		C-CAP,0.01
C706	87-010-759-080		C-CAP,U 0.1-25 F
C708	87-A12-068-080		CAP,E 470-16 SMG
C709	87-A10-918-080		CAP,E 100-16 SMG
C800	87-010-759-080		C-CAP,U 0.1-25 F
C801	87-010-759-080		C-CAP,U 0.1-25 F
C900	87-010-759-080		C-CAP,U 0.1-25 F
C901	87-A12-092-080		CAP,E 22-50 SMG
C902	87-A12-092-080		CAP,E 22-50 SMG
C903	87-A12-092-080		CAP,E 22-50 SMG
C905	87-A12-069-080		CAP,E 22-25 SMG
C906	87-A12-071-080		CAP,E 47-25 SMG
C907	87-010-759-080		C-CAP,U 0.1-25 F
C908	87-010-387-080		CAP,E 470-25 SME
C909	87-010-371-080		CAP,E 470-6.3
C910	87-010-371-080		CAP,E 470-6.3
C912	87-010-759-080		C-CAP,U 0.1-25 ZF
C913	87-010-759-080		C-CAP,U 0.1-25 ZF
C915	87-012-186-080		C-CAP,U 39P-50 CH
CN110	87-A60-620-010		CONN,3P V 2MM JMT
CN202	87-099-573-010		CONN,18P TUC-P18P-B1
CN502	87-099-571-010		CONN,14P TUC-P14P-B1
CN503	87-A60-056-010		CONN,12P V 9604S-12C
CN508	87-A60-041-010		CONN,30P V 9604S-30C
CNA101	8A-AR3-654-010		CONN ASSY,9P VH
CNA201	8B-AR3-665-010		CONN ASSY,4P VH(BAR)
CNA400	8B-AR1-660-010		CONN ASSY,6P VH(BAR)
CNA901	8B-AR3-648-010		CONN ASSY,2P -VIDEO3
J501	87-099-609-010		JACK,PIN 4P KM EARTH
J502	87-A60-947-010		JACK,PIN 4P W/R GLD
J700	87-A60-244-010		JACK,PIN 1P BLK
J901	87-099-911-010		JACK,PIN 3P YEL
J902	87-099-912-010		JACK,PIN 3P YEL W/E
J903	87-099-911-010		JACK,PIN 3P YEL
J904	87-099-911-010		JACK,PIN 3P YEL
L101	87-A50-693-010		COIL,39UH-RCR-110D
L901	87-005-239-080		COIL,100UH
Q108	8Z-NFT-604-110		CONN ASSY,3P SURR
R51	87-A00-571-050		RES,M/F 0.15-2W J RZ
R143	87-A00-258-080		RES,M/F 0.22-1W J

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
R211	87-A00-571-050		RES,M/F 0.15-2W J RZ
R212	87-A00-571-050		RES,M/F 0.15-2W J RZ
R215	87-A00-571-050		RES,M/F 0.15-2W J RZ
R216	87-A00-571-050		RES,M/F 0.15-2W J RZ
R235	87-A00-878-050		RES,M/F 220-1W J VTP
R236	87-A00-878-050		RES,M/F 220-1W J VTP
R237	87-A00-878-050		RES,M/F 220-1W J
R238	87-A00-878-050		RES,M/F 220-1W J
R331	87-A00-571-050		RES,M/F 0.15-2W J RZ
R332	87-A00-571-050		RES,M/F 0.15-2W J RZ
R380	87-A00-571-050		RES,M/F 0.15-2W J RZ
R416	87-A00-571-050		RES,M/F 0.15-2W J RZ
R424	87-A00-571-050		RES,M/F 0.15-2W J RZ
R587	87-A00-147-090		RES,M/F 68-1W J RSF(S)
S292	87-A90-174-010		SW,PUSH 2-2-2
TH201	87-A91-042-080		C-THMS,100K 55001
TH202	87-A91-042-080		C-THMS,100K 55001
TH301	87-A91-042-080		C-THMS,100K 55001
TH302	87-A91-042-080		C-THMS,100K 55001
TH401	87-A91-042-080		C-THMS,100K 55001
WH101	87-A90-510-010		HLDR,WIRE 2.5-9P

FRONT C.B

C101	87-012-195-080		C-CAP,U 100P-50 CH
C102	87-012-195-080		C-CAP,U 100P-50 CH
C103	87-010-759-080		C-CAP,U 0.1-25 F
C104	87-010-759-080		C-CAP,U 0.1-25 F
C105	87-A10-189-040		CAP,E 220-10
C107	87-012-286-080		C-CAP,U 0.01-25
C108	87-010-759-080		C-CAP,U 0.1-25 F
C109	87-012-176-080		C-CAP,15P
C110	87-012-198-080		C-CAP,180P
C111	87-A10-039-080		C-CAP,U 470P-50 J CH
C112	87-012-274-080		C-CAP,U 1000P-50 B
C113	87-012-199-080		C-CAP,220P
C114	87-012-199-080		C-CAP,220P
C115	87-012-199-080		C-CAP,220P
C116	87-012-278-080		C-CAP,U 2200P-50 B
C117	87-012-278-080		C-CAP,U 2200P-50 B
C118	87-012-274-080		C-CAP,U 1000P-50 B
C119	87-012-286-080		C-CAP,U 0.01-25
C120	87-010-759-080		C-CAP,U 0.1-25 F
C121	87-A10-189-040		CAP,E 220-10
C122	87-010-759-080		C-CAP,U 0.1-25 F
C123	87-010-759-080		C-CAP,U 0.1-25 F
C124	87-010-759-080		C-CAP,U 0.1-25 F
C126	87-015-699-040		CAP,E 10-50 7L
C128	87-015-699-040		CAP,E 10-50 7L
C129	87-010-787-080		C-CAP,U 0.022-25
C130	87-012-278-080		C-CAP,U 2200P-50 B
C134	87-010-785-080		C-CAP,U 0.015-25 BK
C136	87-012-278-080		C-CAP,U 2200P-50 B
C138	87-010-759-080		C-CAP,U 0.1-25 F
C139	87-012-274-080		C-CAP,U 1000P-50 KB
C141	87-012-195-080		C-CAP,U 100P-50 J CH
C142	87-012-274-080		C-CAP,U 1000P-50 KB
C143	87-012-274-080		C-CAP,U 1000P-50 KB
C144	87-012-274-080		C-CAP,U 1000P-50 KB
C145	87-012-195-080		C-CAP,U 100P-50 J CH
C146	87-012-195-080		C-CAP,U 100P-50 J CH
C147	87-012-274-080		C-CAP,U 1000P-50 KB
C148	87-012-274-080		C-CAP,U 1000P-50 KB
C149	87-012-274-080		C-CAP,U 1000P-50 KB
C150	87-012-274-080		C-CAP,U 1000P-50 KB
C151	87-012-274-080		C-CAP,U 1000P-50 KB
C152	87-012-195-080		C-CAP,U 100P-50 J CH
C153	87-012-195-080		C-CAP,U 100P-50 J CH
C155	87-012-274-080		C-CAP,U 1000P-50 KB
C156	87-012-195-080		C-CAP,U 100P-50 CH
C157	87-012-195-080		C-CAP,U 100P-50 CH
C158	87-012-195-080		C-CAP,U 100P-50 CH
C159	87-012-195-080		C-CAP,U 100P-50 CH
C160	87-012-195-080		C-CAP,U 100P-50 CH
C161	87-012-195-080		C-CAP,U 100P-50 CH
C162	87-010-677-040		CAP,E 0.15-50 7L
C164	87-A12-074-080		CAP,E 470-25 SMG
C201	87-012-336-080		CAP,CHIP SS 3300 SL
C202	87-012-336-080		CAP,CHIP SS 3300 SL
C203	87-012-336-080		CAP,CHIP SS 3300 SL
C204	87-012-336-080		CAP,CHIP SS 3300 SL
C205	87-012-336-080		CAP,CHIP SS 3300 SL
C206	87-012-336-080		CAP,CHIP SS 3300 SL
C207	87-012-336-080		CAP,CHIP SS 3300 SL
C208	87-012-336-080		CAP,CHIP SS 3300 SL
C209	87-012-336-080		CAP,CHIP SS 3300 SL
C210	87-012-336-080		CAP,CHIP SS 3300 SL
C211	87-012-336-080		CAP,CHIP SS 3300 SL
C212	87-012-336-080		CAP,CHIP SS 3300 SL
C213	87-010-408-040		CAP,E 47-50 SME
C214	87-012-368-080		C-CAP,S 0.1-50 F
C216	87-015-699-040		CAP,E 10-50 7L
C217	87-015-699-040		CAP,E 10-50 7L
C218	87-012-368-080		C-CAP,S 0.1-50 F
C219	87-012-336-080		CAP,CHIP SS 3300 SL
C220	87-012-336-080		CAP,CHIP SS 3300 SL
C700	87-012-274-080		C-CAP,U 1000P-50 KB
C701	87-012-180-080		C-CAP,U 22P-50 J CH
C702	87-012-184-080		C-CAP,U 33P-50 J CH
C703	87-010-831-080		C-CAP,U 0.1-16 ZF
C704	87-012-286-080		C-CAP,U 0.01-25 KB
C705	87-012-286-080		C-CAP,U 0.01-25 KB
C706	87-A12-091-080		CAP,E 10-50 SMG
C707	87-012-270-080		C-CAP,U 470P-50 KB
C708	87-010-831-080		C-CAP,U 0.1-16 ZF
C709	87-A12-091-080		CAP,E 10-50 SMG
C710	87-012-199-080		C-CAP,U 220P-50 J CH
C711	87-012-199-080		C-CAP,U 220P-50 J CH
CN101	87-A60-079-010		CONN,08P H 9604S-08F
CN104	87-A60-061-010		CONN,06P V 9604S-06C
CN105	87-A60-066-010		CONN,30P H 9604S-30F
CN107	87-A60-074-010		CONN,19P H 9604S-19F
CN701	88-805-036-010		CONN ASSY,3P
FFC101	88-908-101-110		FF-CABLE, 8P 1.25 10MM
FFC104	88-906-061-110		FF-CABLE,6P 1.25 60MM
FFC105	88-930-441-110		FF-CABLE,30P 1.25 440MM
FFC107	88-919-331-110		FF-CABLE,19P 1.25 330MM
FL201	8B-AR3-601-010		FL,HNA-12SM12 BAR-3
L101	87-A50-655-010		COIL,CLK 4.19MHZ (TOKO)7KLY
L700	87-005-847-080		COIL,2.2 UH K CECS
LED2	87-A40-317-080		LED,SLR-342VCT31 RED
LED3	87-A40-317-080		LED,SLR-342VCT31 RED
LED4	87-A40-317-080		LED,SLR-342VCT31 RED
LED5	87-A40-317-080		LED,SLR-342VCT31 RED
LED6	87-A40-317-080		LED,SLR-342VCT31 RED
LED7	87-A40-317-080		LED,SLR-342VCT31 RED
LED8	87-A40-317-080		LED,SLR-342VCT31 RED
LED9	87-A40-317-080		LED,SLR-342VCT31 RED
LED10	87-A40-317-080		LED,SLR-342VCT31 RED
S301	87-A90-095-080		SW,TACT EVQ11G04M
S302	87-A90-095-080		SW,TACT EVQ11G04M
S303	87-A90-095-080		SW,TACT EVQ11G04M
S304	87-A90-095-080		SW,TACT EVQ11G04M
S305	87-A90-095-080		SW,TACT EVQ11G04M
S306	87-A90-095-080		SW,TACT EVQ11G04M
S307	87-A90-095-080		SW,TACT EVQ11G04M
S309	87-A90-095-080		SW,TACT EVQ11G04M
S310	87-A90-095-080		SW,TACT EVQ11G04M
S313	87-A90-095-080		SW,TACT EVQ11G04M

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S314	87-A90-095-080		SW,TACT EVQ11G04M
S315	87-A90-095-080		SW,TACT EVQ11G04M
S316	87-A90-095-080		SW,TACT EVQ11G04M
S318	87-A90-095-080		SW,TACT EVQ11G04M
S319	87-A90-095-080		SW,TACT EVQ11G04M
S320	87-A90-095-080		SW,TACT EVQ11G04M
S321	87-A90-095-080		SW,TACT EVQ11G04M
SW101	87-A92-067-010		SW,RTRY EC12E12204N
SW102	87-A92-068-010		SW,RTRY EC12E12504N
X700	87-A70-307-010		VIB,XTAL 4.332MHZ CSA-309ST

TUNER C.B

C772	87-012-286-080		C-CAP,U 0.01-25
C782	87-012-286-080		C-CAP,U 0.01-25
C786	87-A11-056-080		C-CAP,U 1-10 ZF
C788	87-012-167-080		C-CAP,U 5P-50 CH
C789	87-010-786-080		C-CAP,U 0.018-25 KB GRM
C790	87-010-786-080		C-CAP,U 0.018-25 KB GRM
C791	87-010-831-080		C-CAP,U,0.1-16 F
C792	87-012-286-080		C-CAP,U 0.01-25
C793	87-A11-056-080		C-CAP,U 1-10 ZF
C795	87-012-286-080		C-CAP,U 0.01-25
C798	87-A11-057-080		C-CAP,U 0.1-16 KB
C799	87-010-982-040		CAP,E 33-25 M 5L SRE
C800	87-012-191-080		C-CAP,U 68P-50 J CH
C801	87-A11-056-080		C-CAP,U 1-10 ZF
C802	87-010-829-080		C-CAP,U 0.047-16
C804	87-A12-062-080		CAP,E 100-10 SMG
C807	87-A10-463-080		C-CAP,U 0.47-10 ZF
C808	87-A11-056-080		C-CAP,U 1-10 ZF
C809	87-A11-056-080		C-CAP,U 1-10 ZF
C811	87-A10-463-080		C-CAP,U 0.47-10 ZF
C812	87-A10-463-080		C-CAP,U 0.47-10 ZF
C815	87-A10-463-080		C-CAP,U 0.47-10 ZF
C816	87-A10-463-080		C-CAP,U 0.47-10 ZF
C818	87-012-276-080		C-CAP,U 1500P-50 KB
C821	87-A11-063-080		C-CAP,S 4.7-10 ZF
C823	87-012-274-080		C-CAP,U 1000P-50 KB
C824	87-A11-063-080		C-CAP,S 4.7-10 ZF
C825	87-A11-317-080		C-CAP,U 0.068-16 KB
C826	87-012-286-080		C-CAP,U 0.01-25 KB
C831	87-010-552-040		CAP,E 22-16 M 5L SRE
C836	87-012-286-080		C-CAP,U 0.01-25
C837	87-A11-058-080		C-CAP,U 0.22-10 KB
C842	87-A11-057-080		C-CAP,U 0.1-16 KB
C844	87-012-286-080		C-CAP,U 0.01-25
C850	87-A11-056-080		C-CAP,U 1-10 ZF
C851	87-012-286-080		C-CAP,U 0.01-25
C852	87-012-286-080		C-CAP,U 0.01-25
C853	87-012-286-080		C-CAP,U 0.01-25
C855	87-012-280-080		C-CAP,U 3300P-50
C856	87-012-280-080		C-CAP,U 3300P-50
C858	87-010-831-080		C-CAP,U 0.1-16 ZF
C859	87-010-831-080		C-CAP,U 0.1-16 ZF
C860	87-012-286-080		C-CAP,U 0.01-25
C861	87-012-275-080		C-CAP,U 1200P-50 KB
C862	87-012-275-080		C-CAP,U 1200P-50 KB
C863	87-012-280-080		C-CAP,U 3300P-50 KB
C864	87-012-280-080		C-CAP,U 3300P-50 KB
C870	87-A11-061-080		C-CAP,S 2.2-10 KB
C871	87-A11-061-080		C-CAP,S 2.2-10 KB
C900	87-A11-057-080		C-CAP,U 0.1-16 KB
C901	87-012-162-080		C-CAP,U 1P-50 C CH
C902	87-012-165-080		C-CAP,U 3P-50 C CH
C903	87-012-164-080		C-CAP,U 2P-50 C CH
C904	87-A12-348-080		C-CAP,U 560P-25 J CH
C905	87-012-162-080		C-CAP,U 1P-50 C CH
C906	87-012-172-080		C-CAP,U 10P-50 D CH
C907	87-012-166-080		C-CAP,U 4P-50 C CH
C908	87-012-165-080		C-CAP,U 3P-50 C CH
C909	87-012-272-080		C-CAP,U 680P-50 KB
C910	87-012-164-080		C-CAP,U 2P-50 C CH
C911	87-012-166-080		C-CAP,U 4P-50 CH
C912	87-012-195-080		C-CAP,U 100P-50 CH
C913	87-012-286-080		C-CAP,U 0.01-25
C914	87-012-286-080		C-CAP,U 0.01-25
C915	87-012-286-080		C-CAP,U 0.01-25
C916	87-012-286-080		C-CAP,U 0.01-25 KB
C917	87-012-178-080		C-CAP,U 18P-50 J CH
C918	87-012-172-080		C-CAP,U 10P-50 D CH
C919	87-012-184-080		C-CAP,U 33P-50 J CH
C920	87-012-184-080		C-CAP,U 33P-50 J CH
C921	87-012-180-080		C-CAP,U 22P-50 J CH
C922	87-012-174-080		C-CAP,U 12P-50 J CH
C923	87-012-286-080		C-CAP,U 0.01-25 KB
C924	87-012-164-080		C-CAP,U 2P-50 C CH
C925	87-012-164-080		C-CAP,U 2P-50 C CH
C926	87-012-286-080		C-CAP,U 0.01-25 KB
C927	87-012-195-080		C-CAP,U 100P-50 CH
C942	87-012-167-080		C-CAP,U 5P-50 C CH
C947	87-012-286-080		C-CAP,U 0.01-25 KB
C948	87-012-270-080		C-CAP,U 470P-50 KB
C952	87-012-286-080		C-CAP,U 0.01-25 KB
C957	87-012-174-080		C-CAP,U 12P-50 J CH
C958	87-012-286-080		C-CAP,U 0.01-25 KB
C962	87-A11-056-080		C-CAP,U 1-10 ZF
C963	87-010-831-080		C-CAP,U 0.1-16 F
C971	87-A12-067-080		CAP,E 330-16 SMG
C972	87-A11-063-080		C-CAP,S 4.7-10 ZF
C973	87-012-286-080		C-CAP,U 0.01-25
C974	87-012-286-080		C-CAP,U 0.01-25
C976	87-010-759-080		C-CAP,U 0.1-25 ZF
C979	87-012-195-080		C-CAP,U 100P-50 CH
C981	87-A12-071-080		CAP,E 47-25 SMG
C982	87-010-831-080		C-CAP,U 0.1-16 F
C983	87-A11-132-080		CAP,TC U 0.01-50 KB
C984	87-012-286-080		C-CAP,U 0.01-25
C985	87-012-195-080		C-CAP,U 100P-50 CH
C987	87-012-286-080		C-CAP,U 0.01-25
C989	87-012-286-080		C-CAP,U 0.01-25 KB
C990	87-012-195-080		C-CAP,U 100P-50 CH
C991	87-012-182-080		C-CAP,U 27P-50 J CH
C992	87-012-172-080		C-CAP,U 10P-50 J CH
C993	87-012-274-080		C-CAP,U 1000P-50 B
C994	87-012-195-080		C-CAP,U 100P-50 CH
C995	87-012-274-080		C-CAP,U 1000P-50 B
C996	87-012-195-080		C-CAP,U 100P-50 CH
C997	87-010-831-080		C-CAP,U 0.1-16 F
C998	87-010-553-040		CAP,E 47-16 M 5L SRE
CF831	87-008-423-010		FILTER,CF SFE10.7MS3G-A
CF832	82-785-747-010		FILTER,CF MS2 GHY,R
CN992	87-A60-056-010		CONN,12P V 9604S-12C
CNA901	87-A60-620-010		CONN,3P V 2MM JMT
D901	87-A40-916-040		C-VARI-CAP,HVC202A
D902	87-A40-916-040		C-VARI-CAP,HVC202A
D903	87-A41-048-040		C-VARI-CAP,HVM16-03 TL
FFC992	88-912-131-110		FF-CABLE,12P 1.25 130MM
J832	87-A61-534-010		TERMINAL,ANT PAL AJ-2021
J940	87-A60-633-010		CONN,2P H 2.5MM JMT
JW959	87-A11-132-080		CAP,TC U 0.01-50 KB
L801	87-A50-608-010		COIL,FM DET-N(TOK)
L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
L803	87-A50-027-010		COIL,1 POLE MPX (TOK)
L804	87-A50-027-010		COIL,1 POLE MPX (TOK)
L811	87-005-847-080		COIL,2.2UH(CECS)
L832	87-005-847-080		COIL,2.2UH(CECS)
L901	86-ZA1-612-010		COIL,FM ANT/RF-1-Z
L902	86-ZA1-613-010		COIL,FM ANT/RF-2-Z
L903	87-005-847-080		COIL,2.2UH K CECS

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
L904	86-ZA1-613-010		COIL,FM ANT/RF-2-Z
L905	86-ZA1-612-010		COIL,FM ANT/RF-1-Z
L906	87-005-847-080		COIL,2.2UH(CECS)
L907	86-ZA1-614-010		COIL,FM OSC-Z
L908	88-ZA1-624-010		COIL,FM IFT 7-6.2 (COILS)
L941	87-A50-020-010		COIL,ANT LW (COI) 252 KHZ
L942	87-A50-019-010		COIL,ANT LW (COI) 856 KHZ
L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)
R790	87-012-286-080		C-CAP,U 0.01-25
TC942	87-A91-774-080		TRIMMER,PLY 30P 6.8X5.4 CDYL
X991	87-A70-306-010		VIB,XTAL 4.500MHZ CSA-309ST

DIGITAL C.B

C101	87-A12-091-080		CAP,E 10-50 SMG
C102	87-A12-091-080		CAP,E 10-50 SMG
C103	87-012-172-080		C-CAP,U 10P CH
C104	87-012-172-080		C-CAP,U 10P CH
C105	87-010-759-080		C-CAP,U 0.1-25 F
C106	87-A10-369-080		C-CAP,S 0.47-16 KB
C107	87-A12-068-080		CAP,E 470-16 SMG
C108	87-010-759-080		C-CAP,U 0.1-25 F
C109	87-A12-068-080		CAP,E 470-16 SMG
C110	87-010-759-080		C-CAP,U 0.1-25 F
C111	87-A12-091-080		CAP,E 10-50 SMG
C112	87-A12-091-080		CAP,E 10-50 SMG
C113	87-012-195-080		C-CAP,U 100P-50 CH
C114	87-012-195-080		C-CAP,U 100P-50 CH
C115	87-012-284-080		C-CAP,U 6800P-50
C116	87-012-284-080		C-CAP,U 6800P-50
C117	87-012-278-080		C-CAP,U 2200P-50 B
C118	87-012-278-080		C-CAP,U 2200P-50 B
C119	87-012-282-080		C-CAP,U 4700P-50
C120	87-012-282-080		C-CAP,U 4700P-50
C121	87-012-278-080		C-CAP,U 2200P-50 B
C122	87-012-278-080		C-CAP,U 2200P-50 B
C123	87-A12-091-080		CAP,E 10-50 SMG
C124	87-A12-091-080		CAP,E 10-50 SMG
C125	87-010-759-080		C-CAP,U 0.1-25 F
C151	87-A12-091-080		CAP,E 10-50 SMG
C152	87-A12-091-080		CAP,E 10-50 SMG
C153	87-012-172-080		C-CAP,U 10P CH
C154	87-012-172-080		C-CAP,U 10P CH
C155	87-010-759-080		C-CAP,U 0.1-25 F
C156	87-A10-369-080		C-CAP,S 0.47-16 KB
C157	87-010-759-080		C-CAP,U 0.1-25 F
C159	87-A10-047-080		C-CAP,U 1-10 ZF
C160	87-A10-047-080		C-CAP,U 1-10 ZF
C161	87-012-195-080		C-CAP,U 100P-50 CH
C162	87-012-195-080		C-CAP,U 100P-50 CH
C163	87-010-759-080		C-CAP,U 0.1-25 F
C165	87-012-284-080		C-CAP,U 6800P-50
C166	87-012-284-080		C-CAP,U 6800P-50
C167	87-012-278-080		C-CAP,U 2200P-50 B
C168	87-012-278-080		C-CAP,U 2200P-50 B
C169	87-012-278-080		C-CAP,U 2200P-50 B
C170	87-012-278-080		C-CAP,U 2200P-50 B
C171	87-012-282-080		C-CAP,U 4700P-50
C172	87-012-282-080		C-CAP,U 4700P-50
C173	87-A12-091-080		CAP,E 10-50 SMG
C174	87-A12-091-080		CAP,E 10-50 SMG
C175	87-010-759-080		C-CAP,U 0.1-25 F
C201	87-A12-091-080		CAP,E 10-50 SMG
C202	87-A12-091-080		CAP,E 10-50 SMG
C203	87-012-172-080		C-CAP,U 10P CH
C204	87-012-274-080		C-CAP,U 1000P-50 B
C205	87-010-759-080		C-CAP,U 0.1-25 F
C206	87-A10-369-080		C-CAP,S 0.47-16 K B
C207	87-010-759-080		C-CAP,U 0.1-25 F
C209	87-A12-091-080		CAP,E 10-50 SMG
C210	87-A12-091-080		CAP,E 10-50 SMG
C211	87-012-195-080		C-CAP,U 100P-50 CH
C212	87-012-278-080		C-CAP,U 2200P-50 B
C213	87-010-759-080		C-CAP,U 0.1-25 F
C215	87-010-759-080		C-CAP,U 0.1-25 F
C217	87-012-284-080		C-CAP,U 6800P-50
C218	87-012-284-080		C-CAP,U 6800P-50
C219	87-012-278-080		C-CAP,U 2200P-50 B
C220	87-012-278-080		C-CAP,U 2200P-50 B
C221	87-012-278-080		C-CAP,U 2200P-50 B
C222	87-012-278-080		C-CAP,U 2200P-50 B
C223	87-012-282-080		C-CAP,U 4700P-50
C224	87-012-282-080		C-CAP,U 4700P-50
C225	87-A12-091-080		CAP,E 10-50 SMG
C226	87-A12-091-080		CAP,E 10-50 SMG
C235	87-A12-091-080		CAP,E 10-50 SMG
C251	87-010-759-080		C-CAP,U 0.1-25 F
C252	87-010-759-080		C-CAP,U 0.1-25 F
C401	87-010-759-080		C-CAP,U 0.1-25 F
C404	87-010-759-080		C-CAP,U 0.1-25 F
C405	87-A12-087-080		CAP,E 1-50 SMG
C406	87-A12-090-080		CAP,E 4.7-50 SMG
C410	87-012-274-080		C-CAP,U 1000P-50 KB
C501	87-012-198-080		C-CAP,U 180P-50 J CH
C502	87-012-198-080		C-CAP,U 180P-50 J CH
C503	87-A12-071-080		CAP,E 47-25 SMG
C504	87-A12-091-080		CAP,E 10-50 SMG
C505	87-A12-071-080		CAP,E 47-25 SMG
C506	87-A12-091-080		CAP,E 10-50 SMG
C507	87-010-759-080		C-CAP,U 0.1-25 F
C508	87-010-759-080		C-CAP,U 0.1-25 F
C509	87-A12-091-080		CAP,E 10-50 SMG
C510	87-A12-091-080		CAP,E 10-50 SMG
C511	87-A12-091-080		CAP,E 10-50 SMG
C512	87-012-278-080		C-CAP,U 2200P-50 B
C513	87-012-278-080		C-CAP,U 2200P-50 B
C601	87-A12-091-080		CAP,E 10-50 SMG
C602	87-010-759-080		C-CAP,U 0.1-25 F
C603	87-A12-091-080		CAP,E 10-50 SMG
C604	87-010-759-080		C-CAP,U 0.1-25 F
C606	87-012-274-080		C-CAP,U 1000P-50 KB
C614	87-012-172-080		C-CAP,U 10P-50 D CH
C617	87-A12-087-080		CAP,E 1-50 SMG
C618	87-010-759-080		C-CAP,U 0.1-25 F
C621	87-A12-091-080		CAP,E 10-50 SMG
C624	87-010-759-080		C-CAP,U 0.1-25 F
C631	87-A12-091-080		CAP,E 10-50 SMG
C651	87-010-101-080		CAP,E 220-16
C653	87-010-759-080		C-CAP,U 0.1-25 F
C654	87-010-759-080		C-CAP,U 0.1-25 F
C655	87-A12-087-080		CAP,E 1-50 SMG
C656	87-A12-087-080		CAP,E 1-50 SMG
C657	87-010-759-080		C-CAP,U 0.1-25 F
C658	87-010-759-080		C-CAP,U 0.1-25 F
C659	87-A11-148-080		CAP,TC U 0.1-50 ZF
C701	87-012-274-080		C-CAP,U 1000P-50 KB
C702	87-010-757-080		C.CAP,U 0.047-25 F
C704	87-012-278-080		C-CAP,U 2200P-50 B
C711	87-010-759-080		C-CAP,U 0.1-25 F
C712	87-A12-062-080		CAP,E 100-10 SMG
C714	87-A10-031-080		C-CAP,U 0.01-25 KB
C715	87-A10-031-080		C-CAP,U 0.01-25 KB
C751	87-012-278-080		C-CAP,U 2200P-50 B
C793	87-010-196-080		C-CAP,S 0.1-25 ZF
C794	87-012-180-080		C-CAP,U 22P-50 CH
C795	87-010-759-080		C-CAP,U 0.1-25 ZF
C801	87-010-759-080		C-CAP,U 0.1-25 ZF
C802	87-012-286-080		CAP, U 0.01-25 KB
C804	87-A10-039-080		C-CAP,U 470P-50 J CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C805	87-A12-088-080		CAP,E 2.2-50 SMG
C808	87-012-172-080		C-CAP,U 10P-50 D CH
C810	87-012-274-080		C-CAP,U 1000P-50 B
C818	87-010-759-080		C-CAP,U 0.1-25 F
C819	87-A12-062-080		CAP,E 100-10 SMG
C820	87-010-759-080		C-CAP,U 0.1-25 F
C823	87-010-759-080		C-CAP,U, 0.1-25 F
CN102	87-099-560-010		CONN,14P TUC-P
CN402	87-A60-051-010		CONN,19P V 9604S-19C
FB601	87-008-372-080		FILTER, EMI BL OIRNI
FB602	87-008-372-080		FILTER, EMI BL OIRNI
FB603	87-008-372-080		FILTER, EMI BL OIRNI
FB701	87-008-372-080		FILTER, EMI BL OIRNI
FB702	87-008-372-080		FILTER, EMI BL OIRNI
FB801	87-008-372-080		FILTER, EMI BL OIRNI
FB802	87-008-372-080		FILTER, EMI BL OIRNI
J751	87-A60-573-010		JACK,PIN 1P ORN
JW173	87-008-372-080		FLTR,EMI BL01 RN1
JW185	87-008-372-080		FLTR,EMI BL01 RN1
JW504	87-008-372-080		FLTR,EMI BL01 RN1
JW505	87-A11-148-080		CAP,TC U 0.1-50 ZF
X701	87-A70-186-080		C-VIB,XTAL OSC FCX0-3

VOLUME C.B

C601	87-012-274-080		C-CAP,U 1000P-50 B
CN603	87-A60-081-010		CONN,06P H 9604S-06F
S600	87-A90-095-080		SW,TACT EVQ11G04M
S601	87-A90-095-080		SW,TACT EVQ11G04M
SW601	87-A91-645-010		SW,RTRY EC12E24304NON-CLICK

HP/VIDEO C.B

C502	87-A11-144-080		CAP,TC U 0.1-50 KB
C503	87-A11-144-080		CAP,TC U 0.1-50 KB
C504	87-010-188-080		C-CAP,6800P
C505	87-010-188-080		C-CAP,6800P
C506	87-012-278-080		C-CAP,U 2200P-50 KB
C507	87-012-278-080		C-CAP,U 2200P-50 KB
C508	87-A11-144-080		CAP,TC U 0.1-50 KB
CN501	87-A60-666-010		CONN,2P H 2MM JMT
CN502	87-099-201-010		CONN,8P 6216 H
FB502	87-008-372-080		FILTER, EMI BL OIRNI
FB503	87-008-372-080		FILTER, EMI BL OIRNI
J502	87-A60-606-010		JACK,PIN 3P R/W/Y W/O SW H
J503	87-A60-488-010		JACK,DIA6.3 BLK ST W/SW KM16AT
JW503	87-008-474-080		F-BEAD,BL02RN1-R62T2 EMI

SPEAKER C.B

C51	87-012-368-080		C-CAP,S 0.1-50 F
C52	87-012-368-080		C-CAP,S 0.1-50 F
C53	87-012-368-080		C-CAP,S 0.1-50 F
C56	87-012-368-080		C-CAP,S 0.1-50 F
C57	87-012-368-080		C-CAP,S 0.1-50 F
C58	87-012-368-080		C-CAP,S 0.1-50 F
C61	87-012-286-080		C-CAP,U 0.01-25
C62	87-012-286-080		C-CAP,U 0.1-25 KB
C64	87-012-286-080		C-CAP,U 0.01-25
C65	87-010-191-080		C-CAP,S 0.015-50 ZF
C66	87-010-191-080		C-CAP,S 0.015-50 ZF
C67	87-010-191-080		C-CAP,S 0.015-50 ZF
C80	87-010-191-080		C-CAP,S 0.015-50 ZF
C81	87-010-191-080		C-CAP,S 0.015-50 ZF
C83	87-012-286-080		C-CAP,U 0.01-25 KB
C84	87-012-286-080		C-CAP,U 0.01-25 KB
C85	87-010-759-080		C-CAP,U 0.1-25 ZF
C86	87-012-368-080		C-CAP,S 0.1-50 ZF
C88	87-012-368-080		C-CAP,S 0.1-50 ZF
C89	87-012-368-080		C-CAP,S 0.1-50 ZF
C91	87-012-286-080		C-CAP,U 0.01-25 KB
CN50	87-009-663-010		CONN,6P VH V
CN51	87-A61-300-010		CONN,4P V VH
J50	87-A61-612-010		TERMINAL,SP 6P CJ-9033-17-4203
J52	87-A61-619-010		TERMINAL,SPKR-SCREW 4P(WELLCO)
L50	87-A50-610-010		COIL,1UH K(MDEC)
L52	87-A50-610-010		COIL,1UH K(MDEC)
L53	87-A50-610-010		COIL,1UH K(MDEC)
L54	87-A50-610-010		COIL,1UH K(MDEC)
L55	87-A50-610-010		COIL,1UH K(MDEC)

AMP C.B

C803	87-012-278-080		C-CAP,U 2200P-50 B
C804	87-012-278-080		C-CAP,U 2200P-50 B
C805	87-A12-091-080		CAP,E 10-50 SMG
C806	87-A12-091-080		CAP,E 10-50 SMG
C807	87-012-195-080		C-CAP,U 100P-50 CH
C808	87-012-195-080		C-CAP,U 100P-50 CH
C809	87-A12-092-080		CAP,E 22-50 SMG
C810	87-A12-092-080		CAP,E 22-50 SMG
C811	87-012-273-080		C-CAP,U 820P-50 B
C812	87-012-273-080		C-CAP,U 820P-50 B
C813	87-A10-897-080		CAP,E 100-25 BP SME
C814	87-A10-897-080		CAP,E 100-25 BP SME
C815	87-012-164-080		C-CAP,U 2P-50 CK
C816	87-012-164-080		C-CAP,U 2P-50 CK
C817	87-012-271-080		C-CAP,U 560P-50 KB
C818	87-012-271-080		C-CAP,U 560P-50 KB
C819	87-012-271-080		C-CAP,U 560P-50 KB
C820	87-012-271-080		C-CAP,U 560P-50 KB
C821	87-012-271-080		C-CAP,U 560P-50 KB
C822	87-012-271-080		C-CAP,U 560P-50 KB
C823	87-012-271-080		C-CAP,U 560P-50 KB
C824	87-012-271-080		C-CAP,U 560P-50 KB
C827	87-012-368-080		C-CAP,S 0.1-50 F
C828	87-010-866-080		CAP,E 10-63 M VX
C831	87-012-274-080		C-CAP,U 1000P-50 B
C832	87-012-274-080		C-CAP,U 1000P-50 B
C870	87-010-866-080		CAP,E 10-63 M VX
CN801	87-099-562-010		CONN,18P TUC-P18X-B1

PT C.B

C1	87-010-388-080		CAP,E 1000-25 M SME
C2	87-A12-089-080		CAP,E 3.3-50 SMG
C3	87-A11-148-080		CAP,TC U 0.1-50 ZF
C4	87-A11-148-080		CAP,TC U 0.1-50 ZF
C5	87-A11-148-080		CAP,TC U 0.1-50 ZF
C6	87-A11-144-080		CAP,TC U 0.1-50 KB
CN3	87-A60-851-010		CONN,9P V VH
CNA1	8B-AR4-651-010		CONN ASSY,2P AC-OUTLET(EZ)
CNA2	88-805-033-690		CONN ASSY,3P 300
⚠ PT1	8B-AR3-625-010		PT,E EI85-60 BAR-3
⚠ PT2	8Z-NF8-659-010		HT,SUB ZNF-8(E)TAM
⚠ RY1	87-A91-368-010		RELAY,ACDC12V DG12D-O(M)-2
⚠ T1	87-A60-317-010		TERMINAL, 1P MSC
⚠ T2	87-A60-317-010		TERMINAL, 1P MSC

AC OUTLET C.B

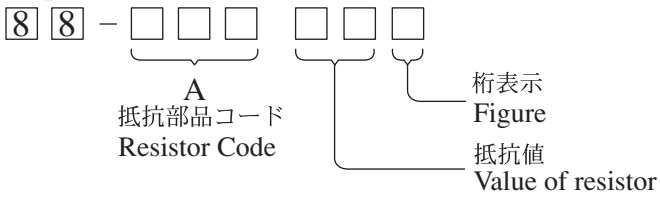
⚠ F102	87-A91-218-010		FUSE,4A 250V 50T
⚠ FC103	87-033-147-010		FUSE CLAMP,MT 20
⚠ FC104	87-033-147-010		FUSE CLAMP,MT 20
⚠ J102	87-009-932-010		OUTLET,AC E YKE31-0090
⚠ J103	87-009-932-010		OUTLET,AC E YKE31-0090

VM C.B

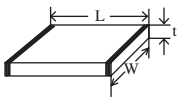
CN001	87-049-919-010		CONN,3P V WHT EH

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

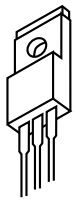
TRANSISTOR ILLUSTRATION

E C B

CC5551
CSC4115BC
2SA1015GR
2SA1980G
2SC1815GR
2SC5343Y

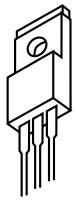
E C B

2SC2001K



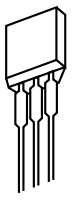
B C E

2SA1931
2SB1370E
FN1016
FP1016
KTA1046Y



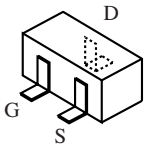
G D S

2SK3053

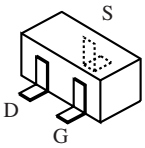


E C B

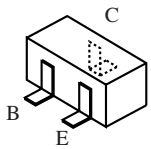
2SC4115SRS
DTC114ES



2SK2158



2SK360E



2SA1037K(R)
2SA1514K(S)
2SA1235F
2SC2714O
2SC3052F
2SD1306E
CMBT5401
CMBT5551
CSA1362GR
CSD1306E
DTC114YKA
DTC123JKA
KRA102S
KRA107S
RT1N144C
RT1P144C

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

A MAIN C.B

K VM C.B

TO PT C.B CNA002

TO AMP C.B CN801

S292 FRONT SPEAKERS OFF ON

CN001 (BLK)

CNA201 (BLK)

EP200

CNA400 (BLK)

TO PT C.B CN003 (CNA101)

TO SPEAKER C.B CN51

TO SPEAKER C.B CN50

TO FRONT C.B CN105 (FFC105)

TO TUNER C.B CN992 (FFC992)

TO BIGITAL C.B CN102

TO HP/VIDEO C.B CN501

TO CHASSIS

J700 SUB WOOFER

J502 (2/2) CD IN

J502 (1/2) AUX IN

J501 (1/2) PHONO IN

J501 (2/2) IN

J903 (2/2) REC OUT

TAPE MONITOR

J904 (2/2) VIDEO 1/ DVD/MD OUT

J901 (2/2) VIDEO 1/ DVD/MD IN

J902 (2/2) VIDEO 2/ LD/TV IN

J903 (1/2) VIDEO OUT

J904 (1/2) OUT

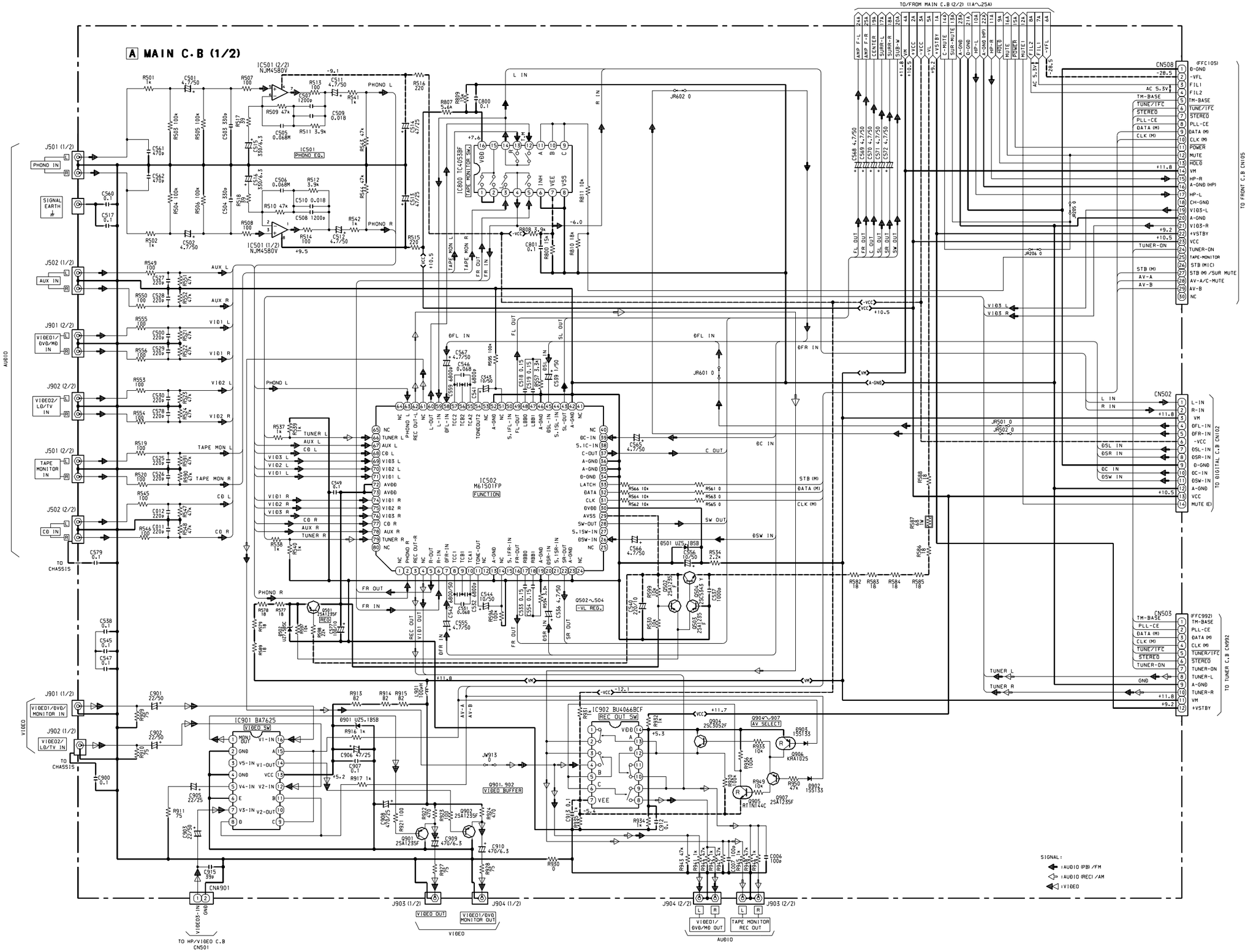
J901 (1/2) IN

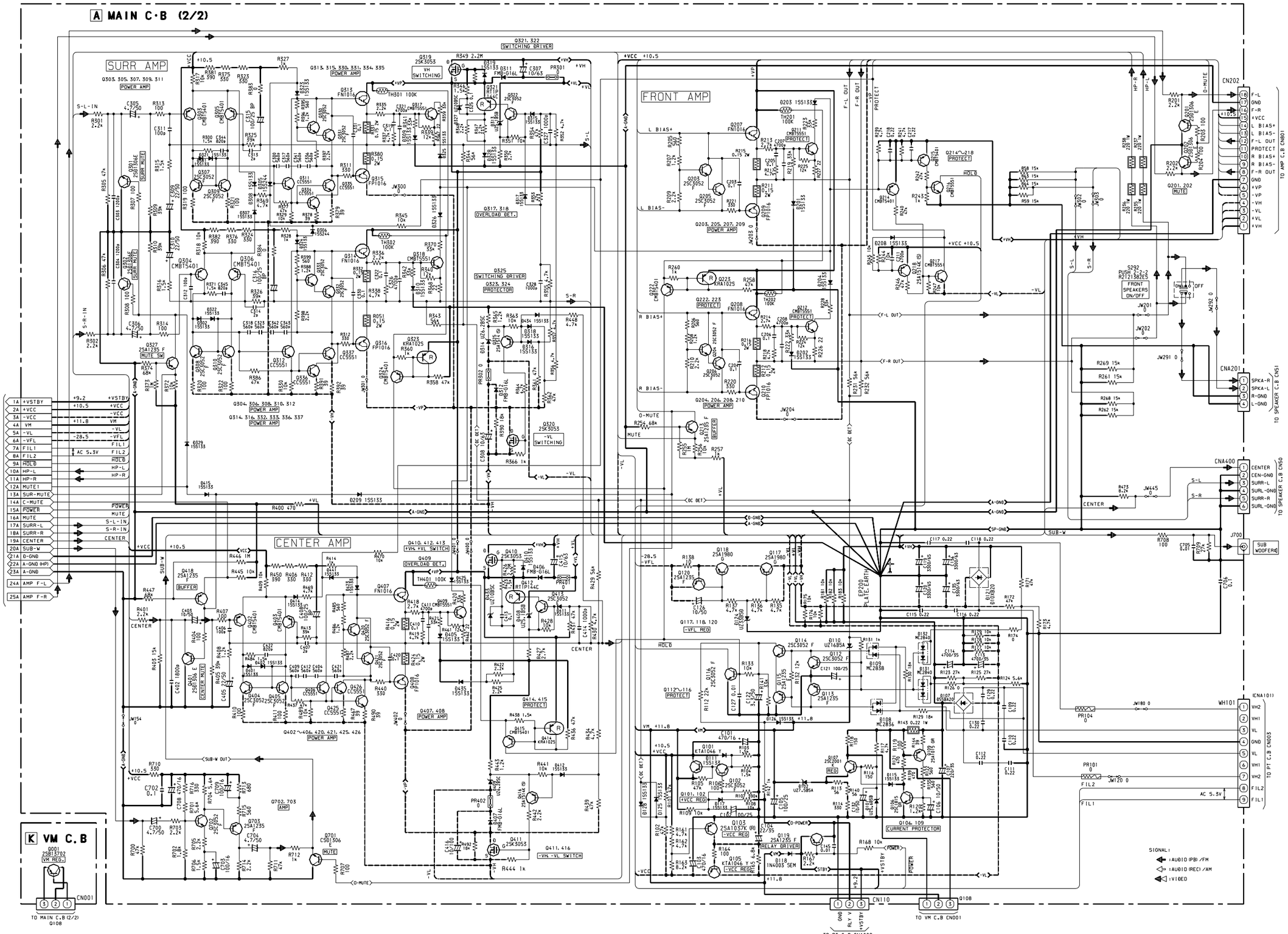
VIDEO 1/ DVD/MONITOR

J902 (1/2) VIDEO 2/ LD/TV IN

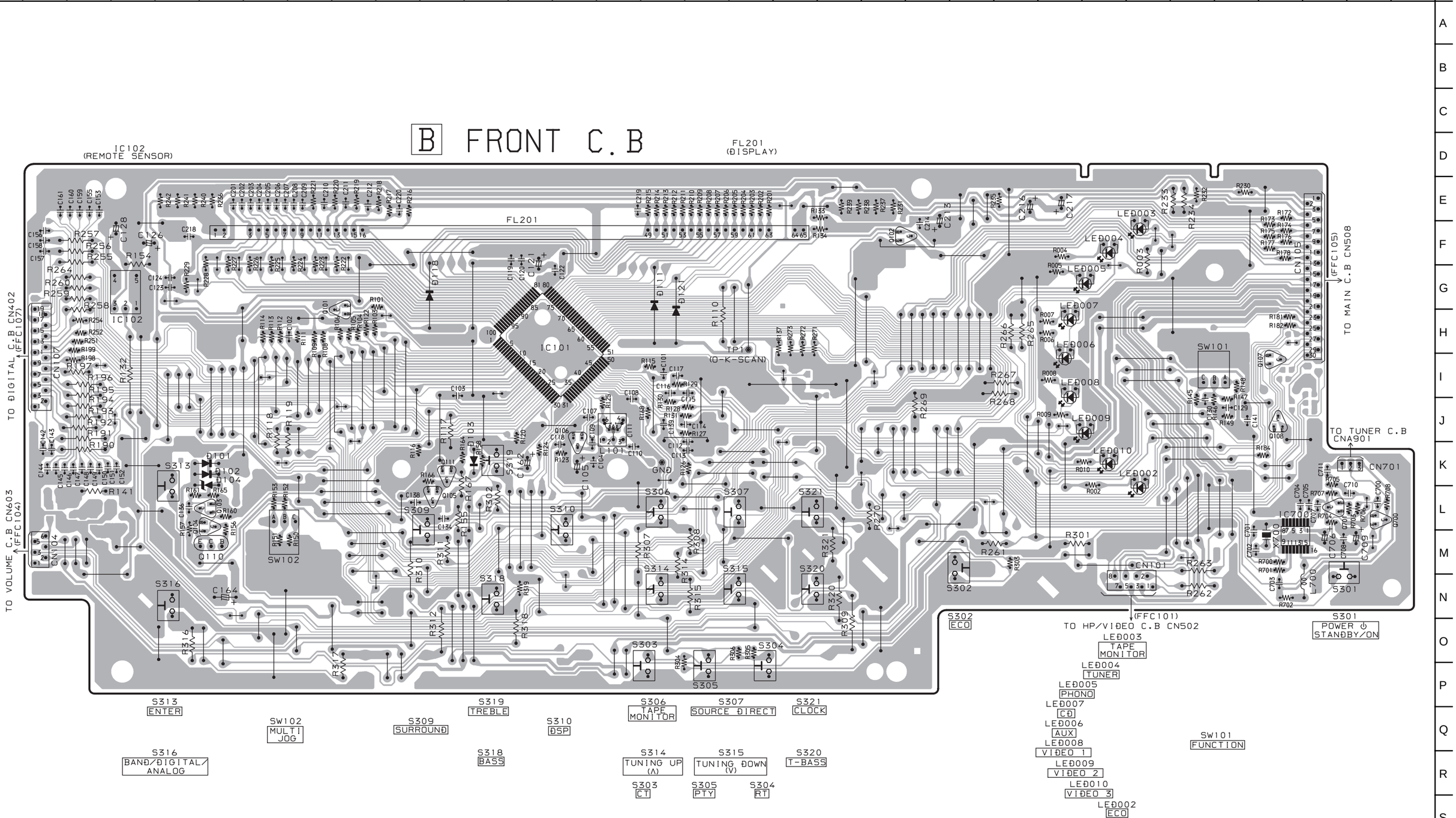
L AUDIO R VIDEO

SCHEMATIC DIAGRAM – 1 (MAIN 1 / 2)

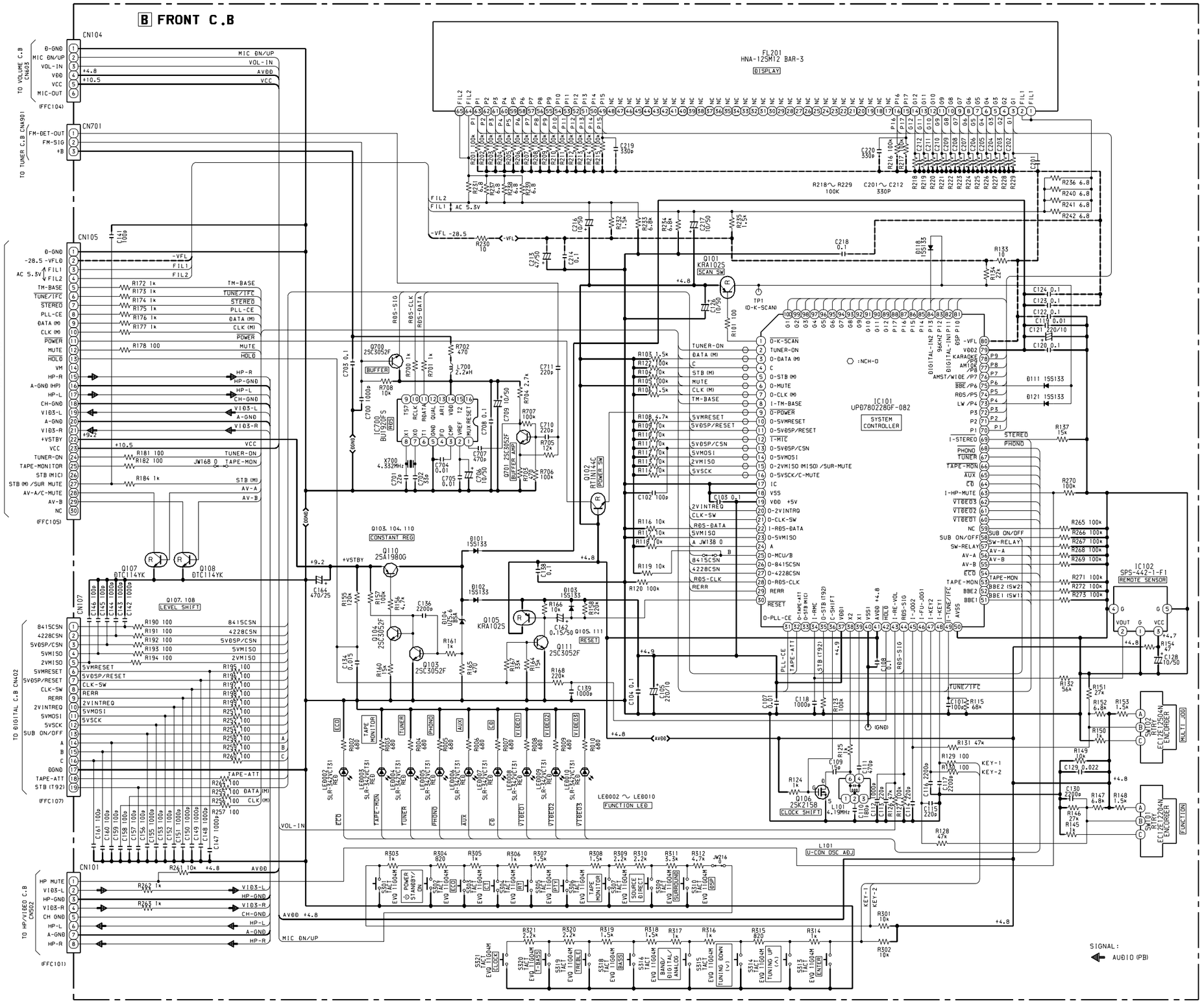


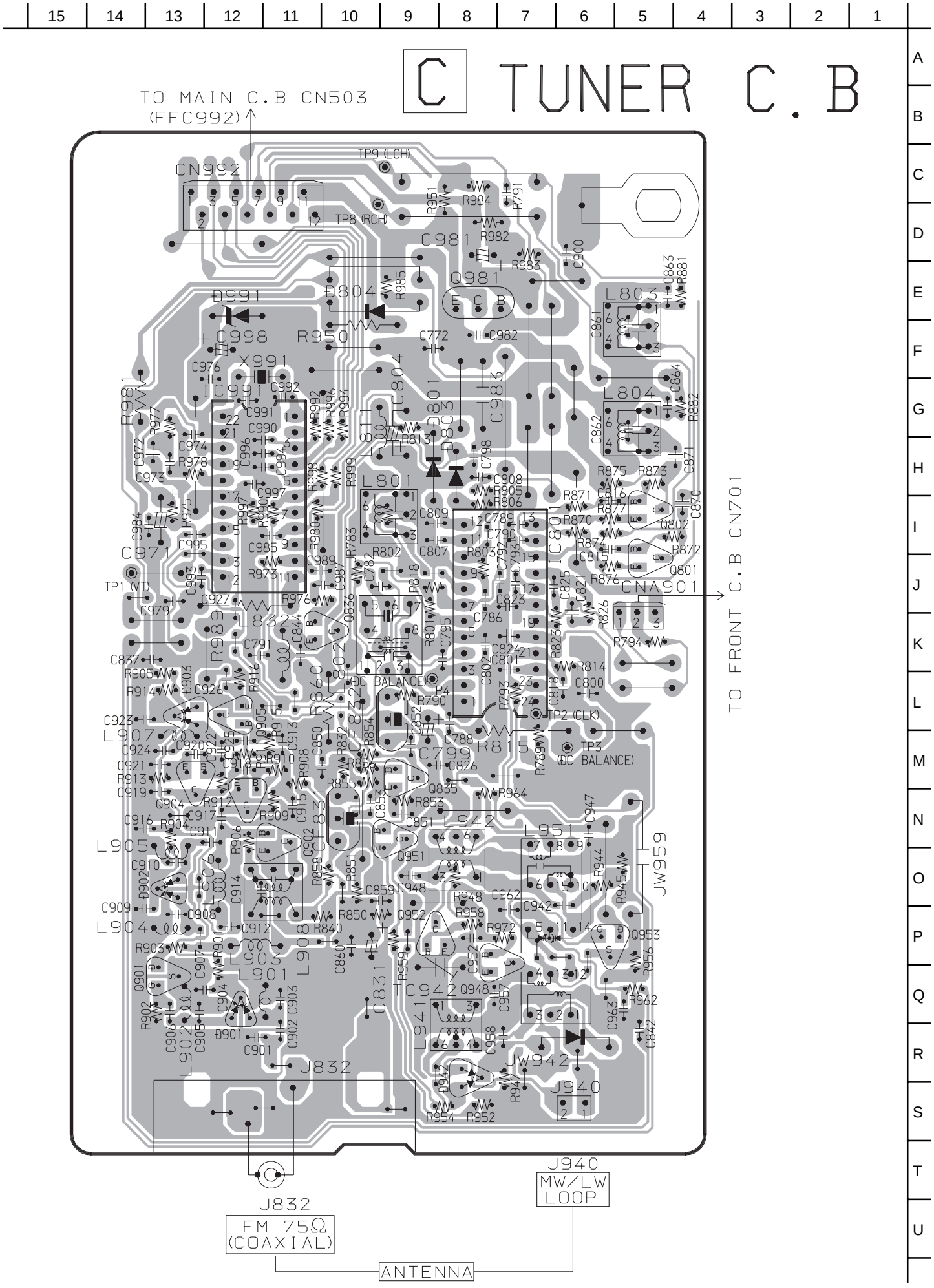

A MAIN C.B (2/2)
SURR AMP
FRONT AMP
CENTER AMP
SUB-W
K VM C.B
CN001
CN110
CNA201
CNA400
CN202
WH101
J700
S392
PUSH 2-2-2
R21213826ES
FRONT SPEAKERS ON/OFF
TO MAIN C.B (2/2) Q108
TO PT C.B CNA002
TO VM C.B CN001
TO SPEAKER C.B CNS1
TO SPEAKER C.B CNS0
TO AMP C.B CN801
TO PT C.B CN003
SIGNAL:
:AUDIO (PB) /FM
:AUDIO (REC) /AM
:VIDEO

B FRONT C.B

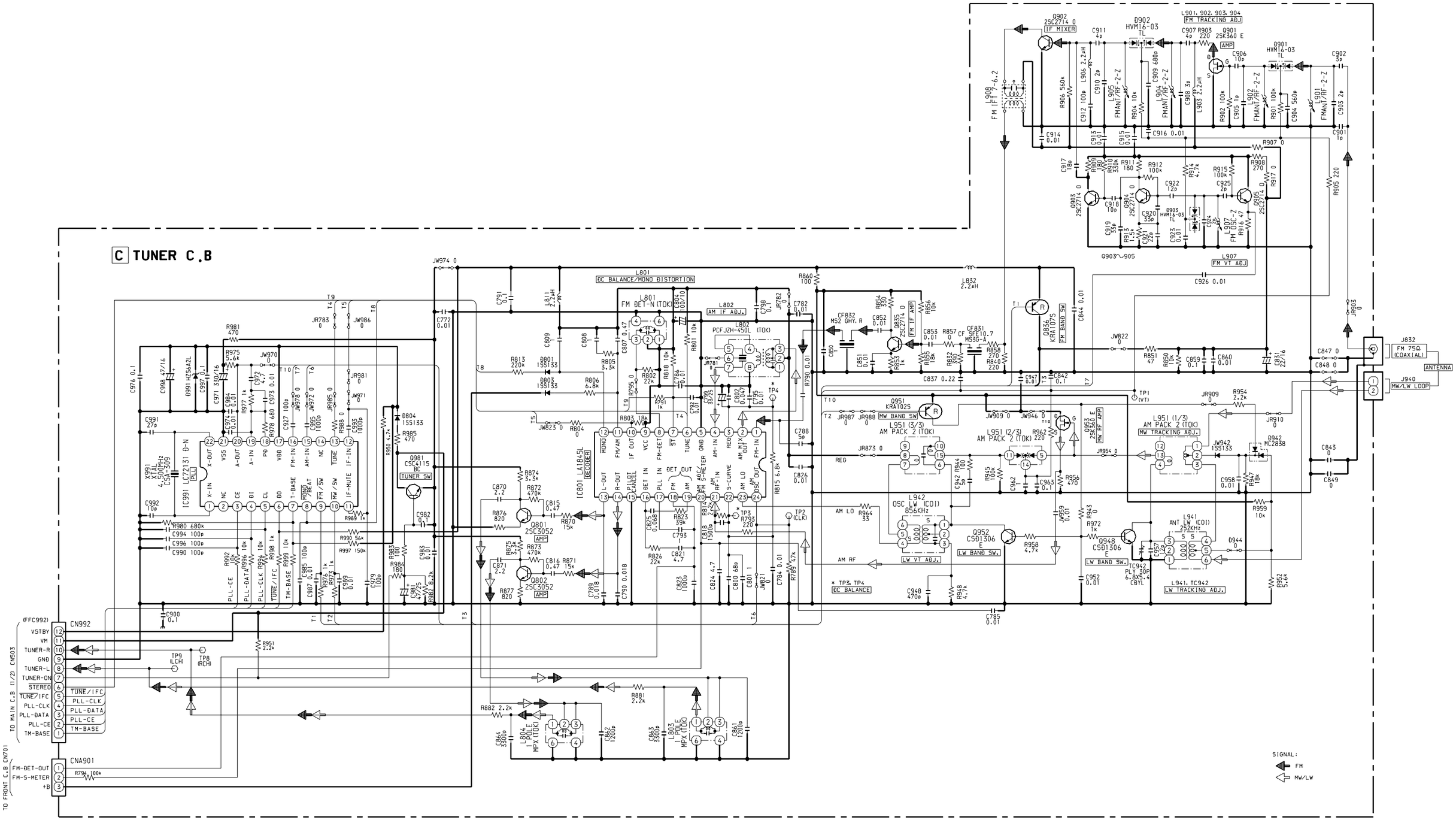

IC102
(REMOTE SENSOR)
FL201
(DISPLAY)
FL201
IC101
TP1
(O-K-SCAN)
TO DIGITAL C.B CN402
(FFC107)
CN107
TO VOLUME C.B CN603
(FFC1104)
CN104
TO MAIN C.B CN508
(FFC105)
CN105
TO TUNER C.B
CNA901
CN701
(FFC101)
TO HP/VIDEO C.B CN502
CN101
SW101
SW102
S313
ENTER
S316
BAND/DIGITAL/
ANALOG
S319
TREBLE
S318
BASS
S309
SURROUND
S310
DSP
S306
TAPE
MONITOR
S307
SOURCE DIRECT
S321
CLOCK
S314
TUNING UP
(∧)
S315
TUNING DOWN
(∨)
S320
T-BASS
S303
CT
S305
PTY
S304
RT
S302
ECO
S301
POWER ⏻
STANDBY/ON
LED003
TAPE
MONITOR
LED004
TUNER
LED005
PHONO
LED007
CD
LED006
AUX
LED008
VIDEO 1
LED009
VIDEO 2
LED010
VIDEO 3
LED002
ECO
SW101
FUNCTION

SCHEMATIC DIAGRAM – 3 (FRONT)

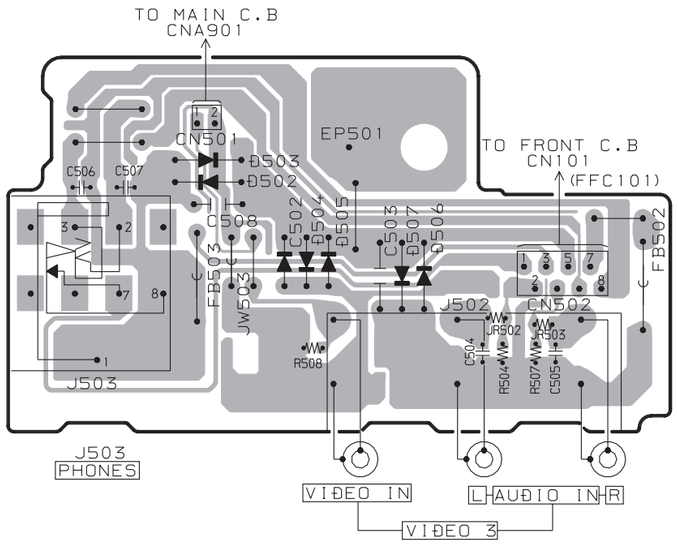



C TUNER C.B
TO MAIN C.B CN503
(FFC992)
TO FRONT C.B CN701
CN992
CNA901
IC991
Q981
Q801
Q802
Q904
Q951
Q952
Q953
Q948
Q835
L804
L803
L801
L832
L907
L905
L904
L903
L901
L902
L942
L951
L941
L940
TP1 (VT)
TP2 (CLK)
TP3 (DC BALANCE)
TP4 (DC BALANCE)
TP8 (RCH)
TP9 (LCH)
J832
FM 75Ω (COAXIAL)
J940
MW/LW LOOP
ANTENNA

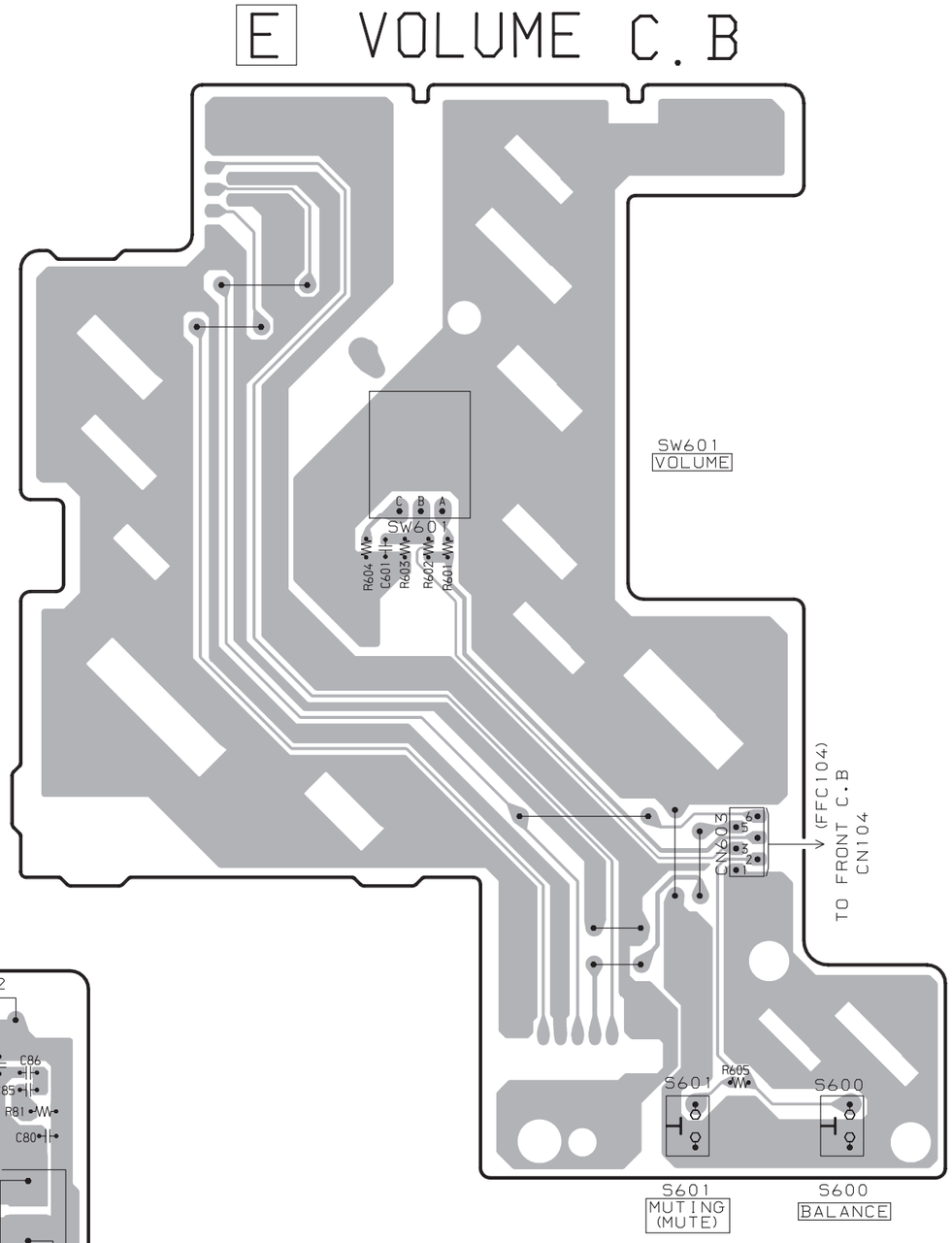
SCHEMATIC DIAGRAM – 4 (TUNER)



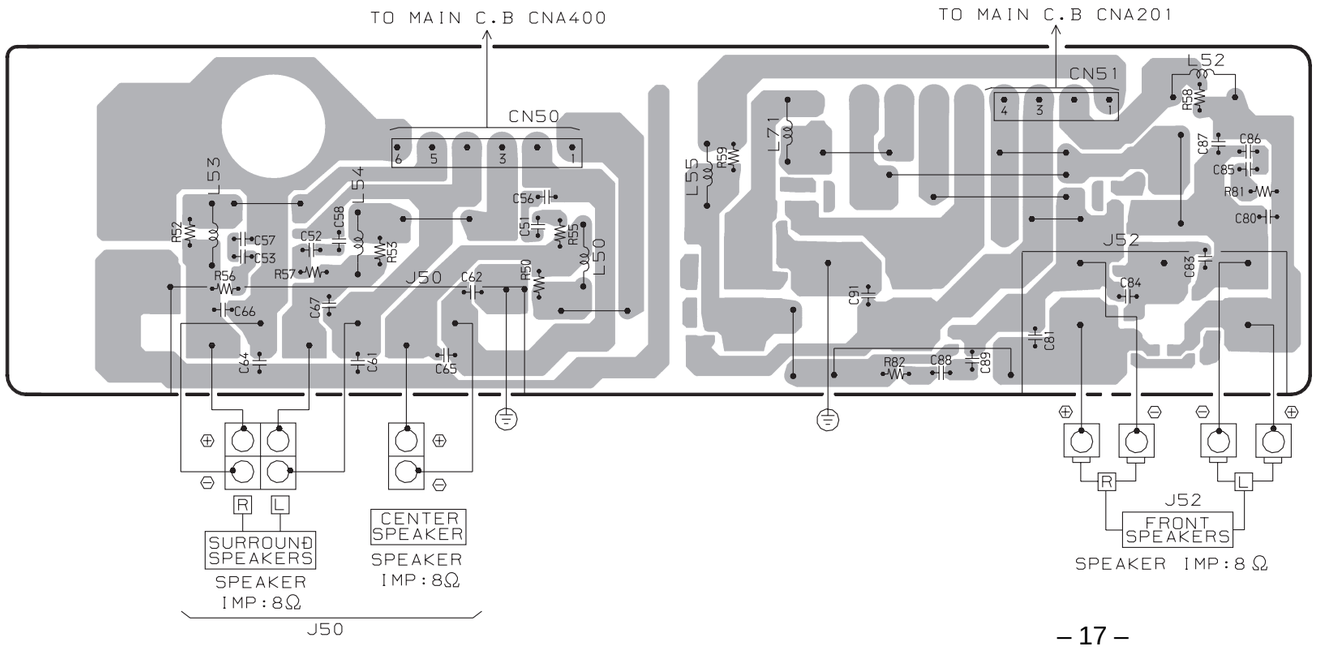
F HP/VIÐEO C.B



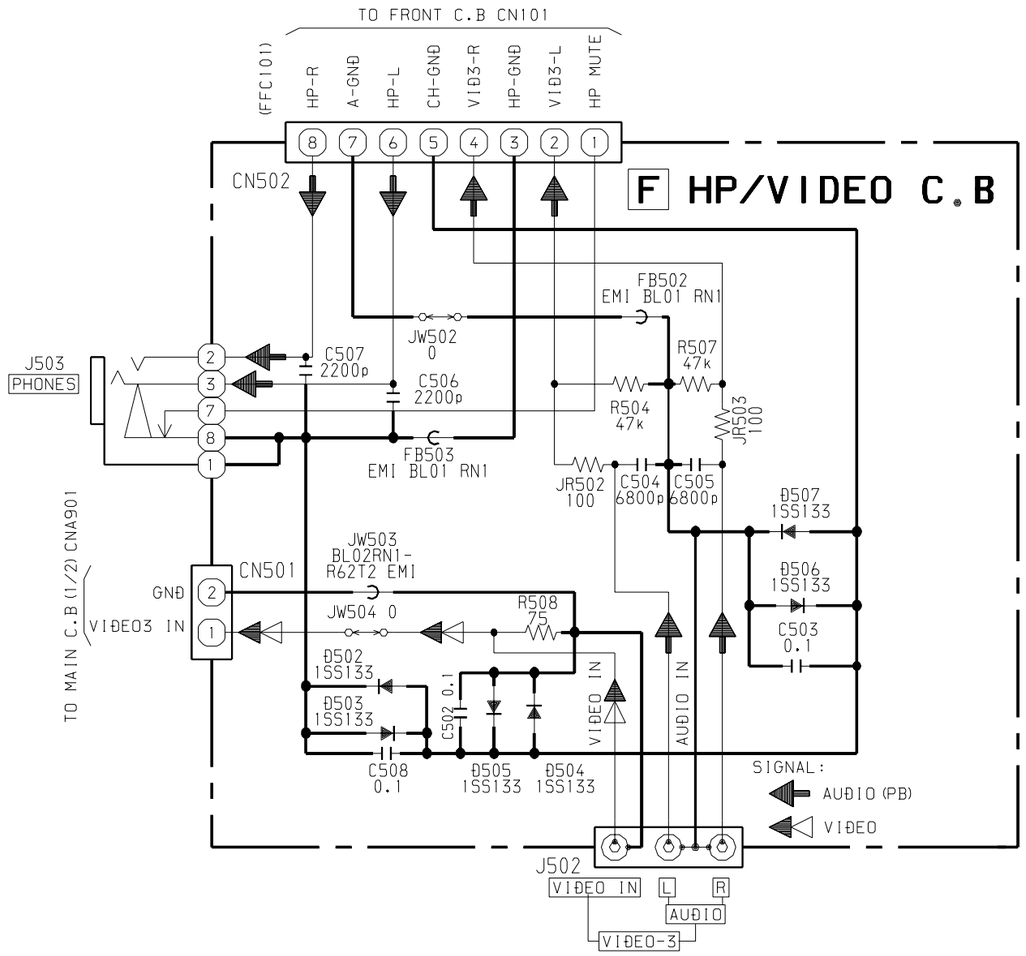
E VOLUME C.B

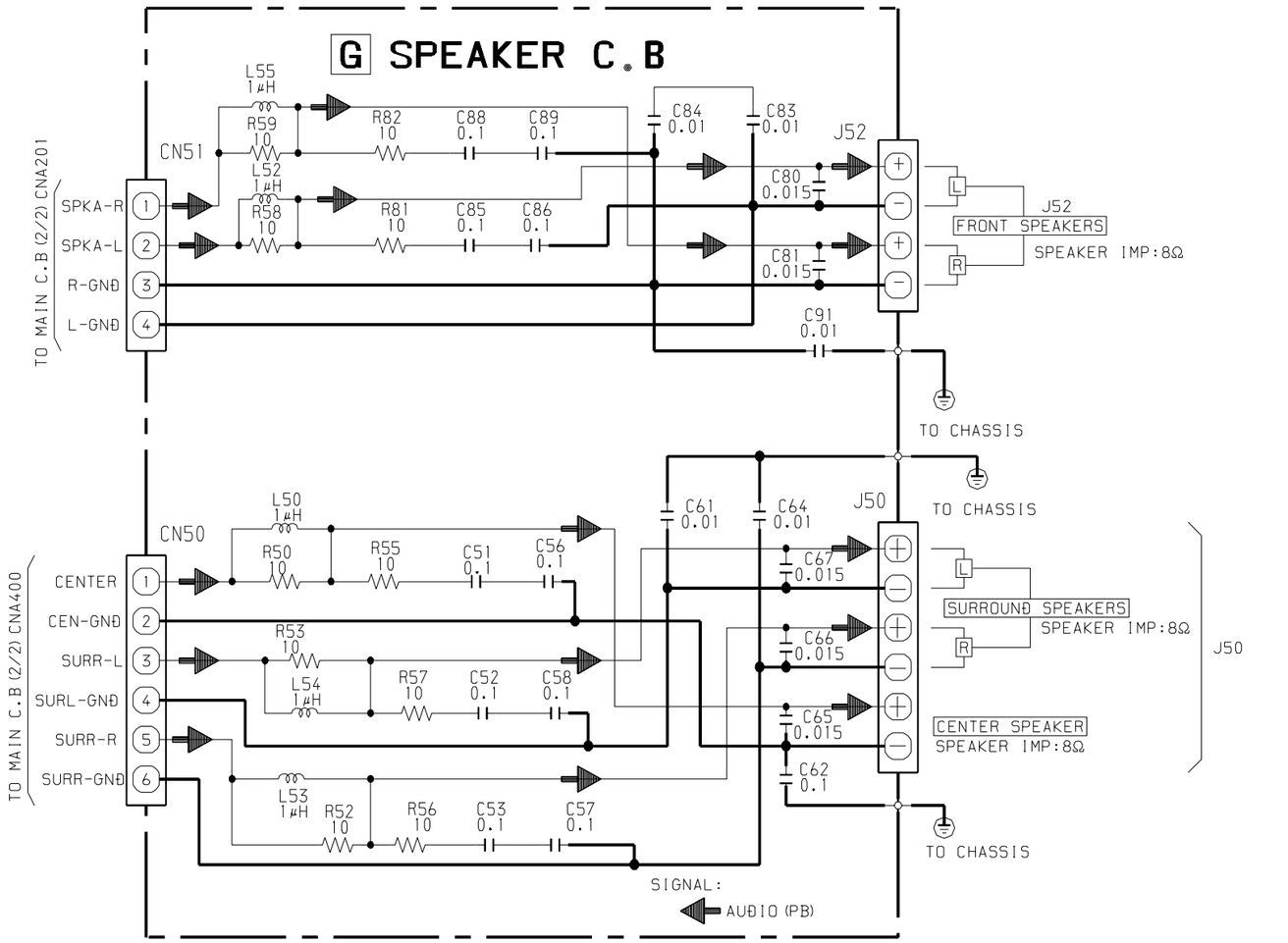


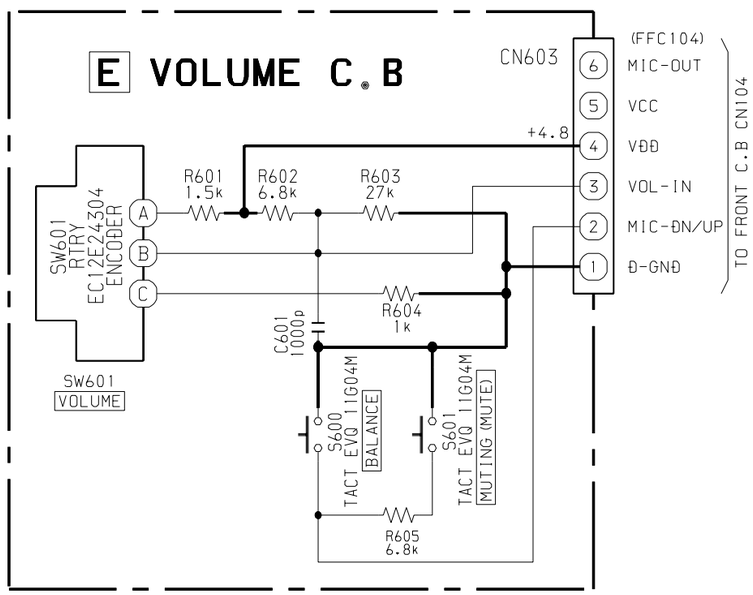
G SPEAKER C.B



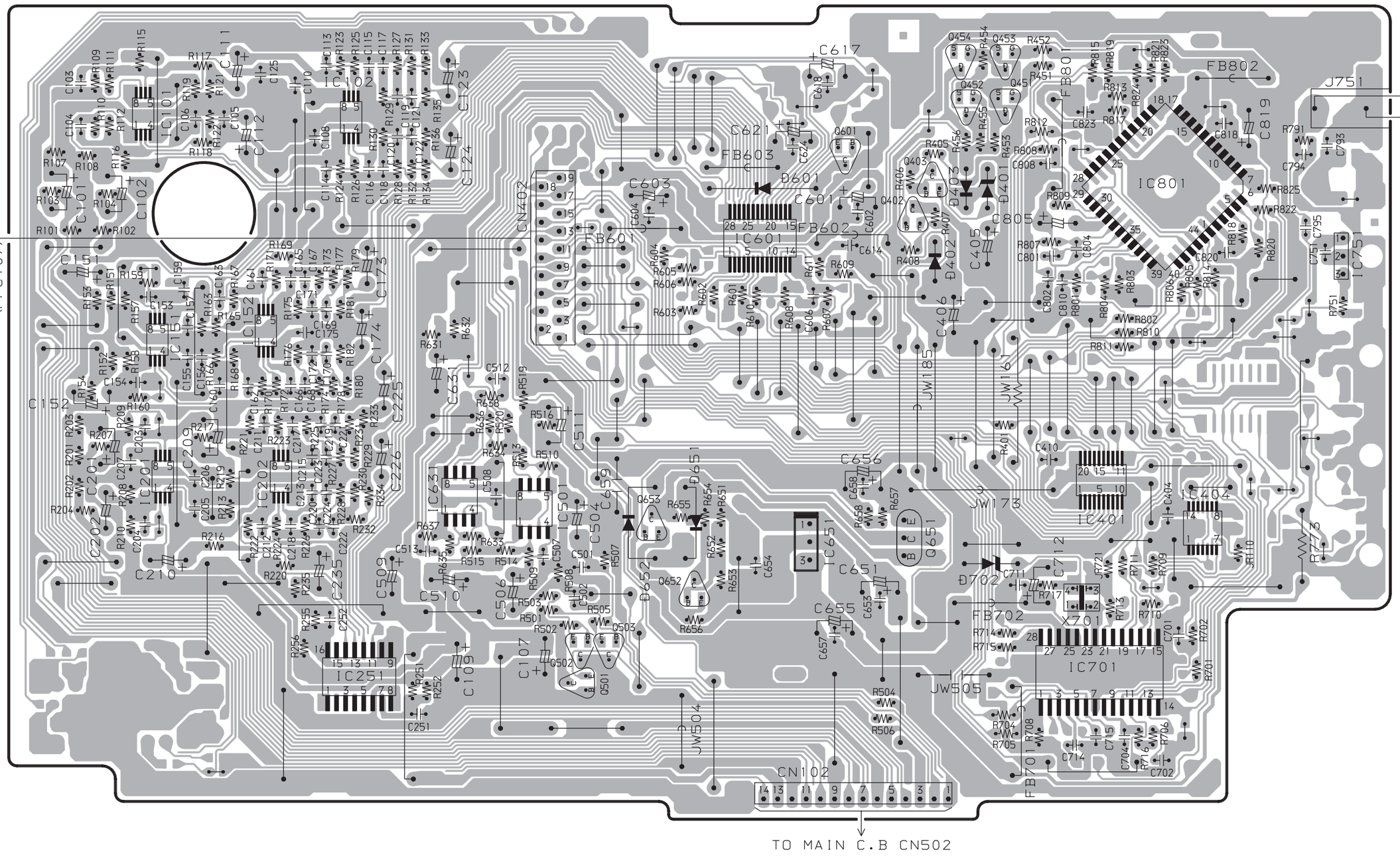
SCHEMATIC DIAGRAM – 5 (HP / VIDEO / VOLUME / SPEAKER)

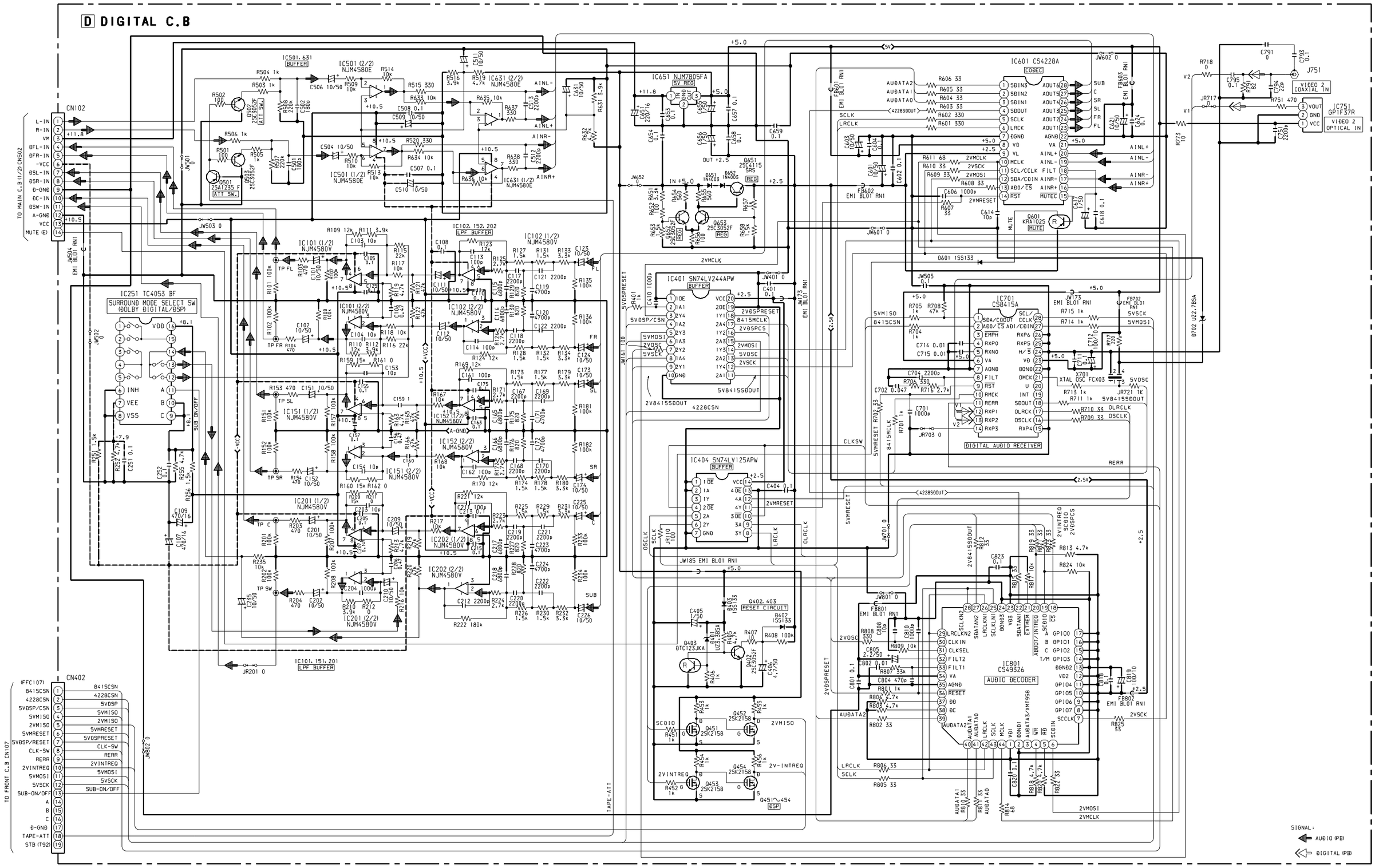




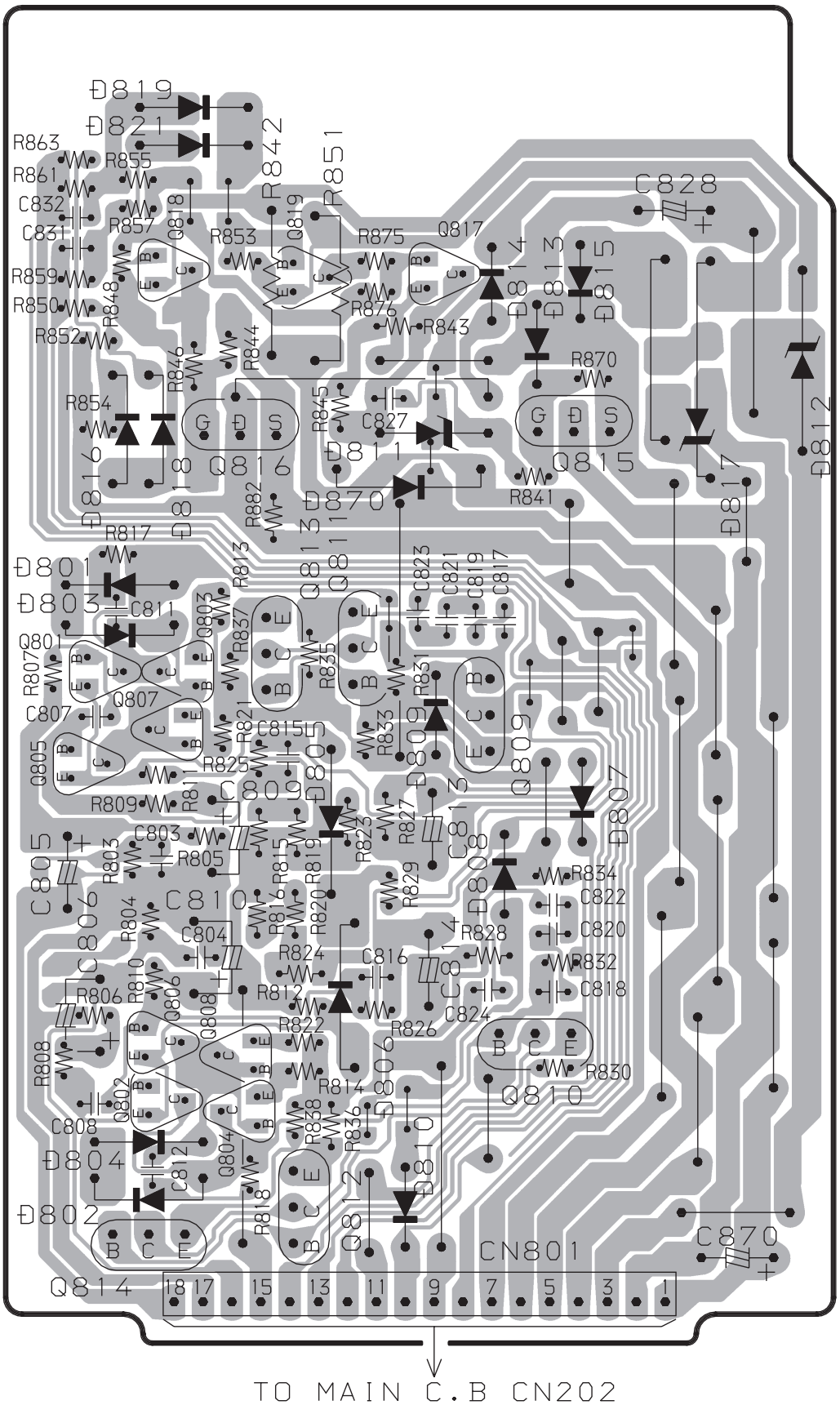


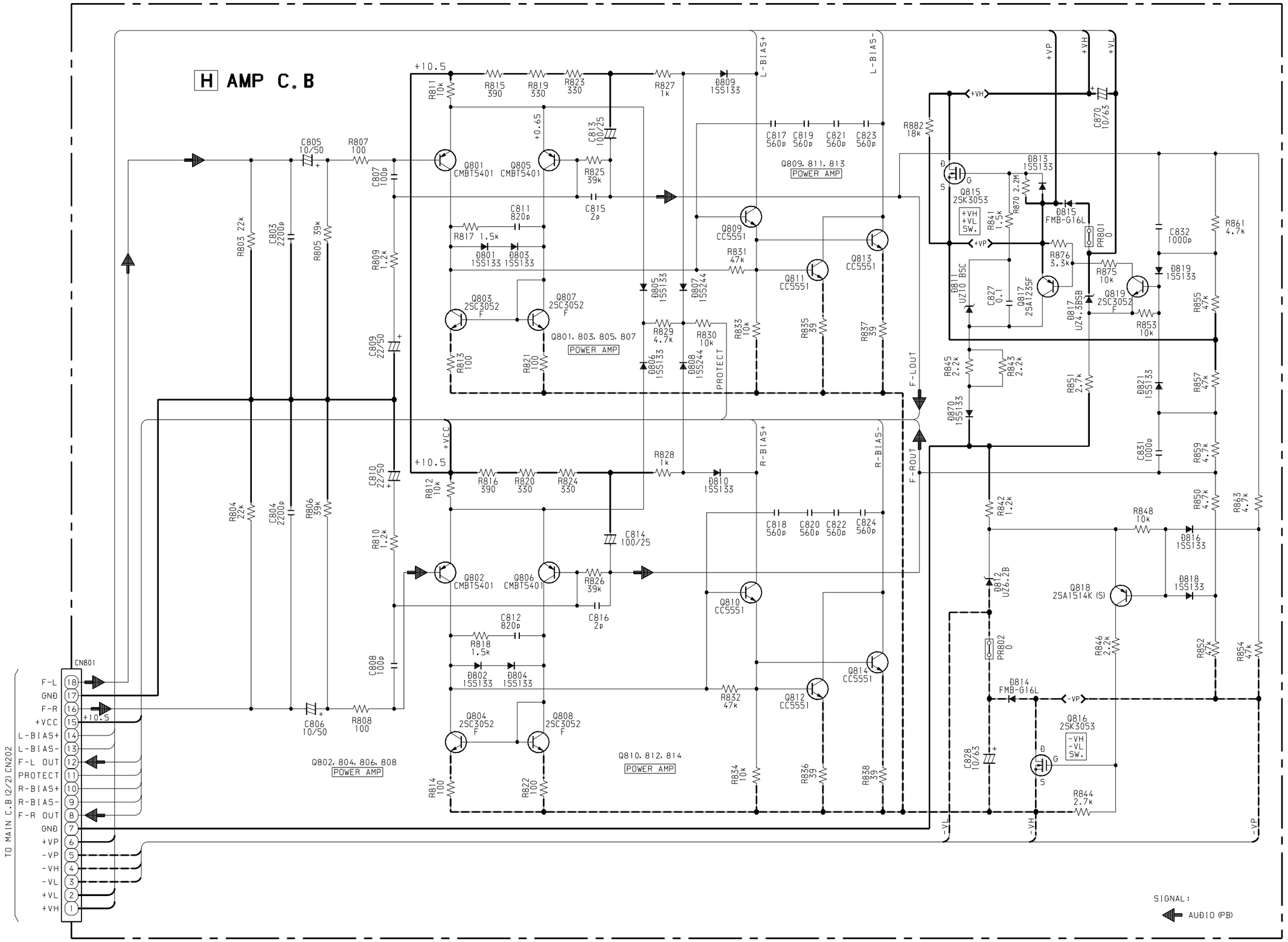
Ð DIGITAL C.B


TO FRONT C.B CN107
(FFC107)
J751
VIÐEO 2
COAXIAL IN
IC751
VIÐEO 2
OPTICAL IN
TO MAIN C.B CN502
CN102
IC801
IC401
IC701
IC251
IC1101
IC1102
IC1151
IC1152
IC1201
IC1202
IC601
IC651
IC751
X701
FB602
FB603
FB802
FB701
FB702
Q601
Q651
Q652
Q653
Q501
Q502
Q503
D601
D651
D702
D401
D402
C617
C621
C601
C603
C651
C655
C659
C712
C805
C819
C406
C405
C510
C506
C509
C107
C109
C173
C174
C225
C226
C235
C631
C511
C501
C504
C152
C151
C210
C201
C202
C203
C204
C205
C206
C207
C208
C209
C211
C212
C213
C214
C215
C216
C217
C218
C219
C220
C221
C222
C223
C224
C225
C226
C227
C228
C229
C230
C231
C232
C233
C234
C235
C251
C252
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
C511
C512
C513


D DIGITAL C.B
CN102
TO MAIN C.B (1/2) CN502
IC501.631 BUFFER
IC501 (2/2) NJM4580E
IC631 (2/2) NJM4580E
IC501 (1/2) NJM4580E
IC631 (1/2) NJM4580E
IC651 NJM7805FA
5V REG
IC601 CS4228A
CODEC
IC251 TC4053 BF
SURROUND MODE SELECT SW (DOLBY DIGITAL/DSP)
IC101 (1/2) NJM4580V
IC102 (2/2) NJM4580V
IC102. 152. 202
LPF BUFFER
IC151 (1/2) NJM4580V
IC152 (2/2) NJM4580V
IC201 (1/2) NJM4580V
IC202 (2/2) NJM4580V
IC101. 151. 201
LPF BUFFER
IC401 SN74LV244APW
BUFFER
IC404 SN74LV125APW
BUFFER
IC701 CS8415A
DIGITAL AUDIO RECEIVER
IC801 CS49326
AUDIO DECODER
Q402. 403
RESET CIRCUIT
Q451 2SK2158 454
DSP
CN402
TO FRONT C.B CN107
J751
GP1F37R
VIDEO 2 COAXIAL IN
VIDEO 2 OPTICAL IN
SIGNAL:
AUDIO (PB)
DIGITAL (PB)

H AMP C.B

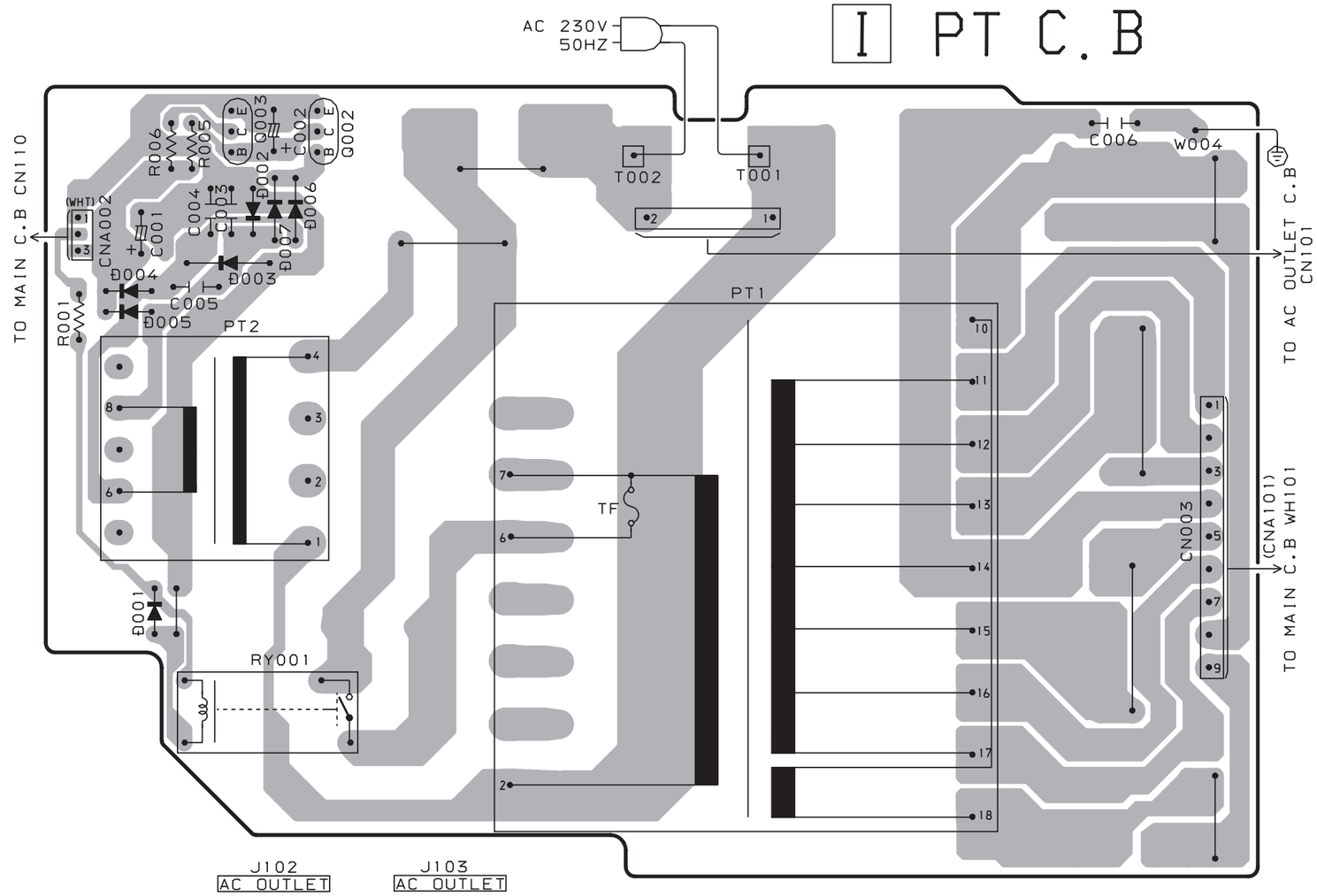


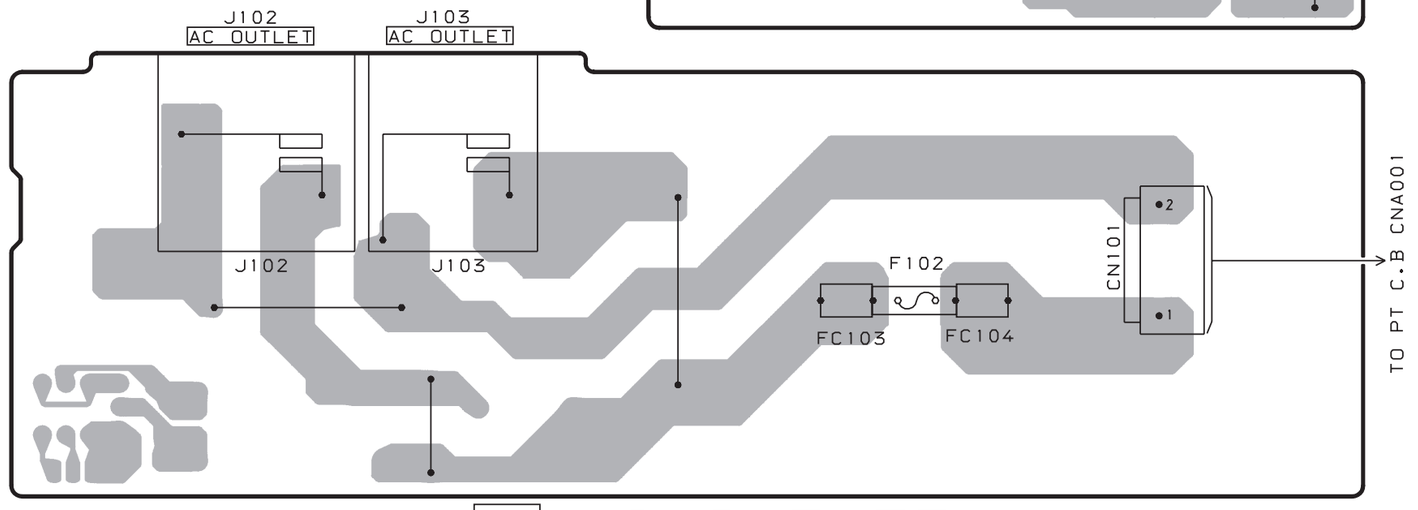

H AMP C.B
+10.5
L-BIAS+
L-BIAS-
+VP
+VH
+VL
R811 10k
R815 390
R819 330
R823 330
R827 1k
D809 1SS133
C805 10/50
R807 100
C807 100p
Q801 CMBT5401
Q805 CMBT5401
+0.65
C813 100/25
R825 39k
C815 2p
C817 560p
C819 560p
C821 560p
C823 560p
Q809, 811, 813
POWER AMP
R882 18k
Q815 2SK3053
+VH +VL SW.
D813 1SS133
R870 2.2M
R841 1.5k
D815 FMB-G16L
PR801 0
C870 10/63
C832 1000p
R861 4.7k
R803 22k
C803 2200p
R805 39k
R809 1.2k
C809 22/50
C811 820p
R817 1.5k
D801 1SS133
D803 1SS133
Q809 CC5551
R831 47k
Q813 CC5551
Q811 CC5551
R876 3.3k
R875 10k
D819 1SS133
D811 UZ10 BSC
C827 0.1
Q817 2SA1235F
D817 UZ4.3B5B
Q819 2SC3052 F
R853 10k
R855 47k
Q803 2SC3052 F
Q807 2SC3052 F
Q801, 803, 805, 807
POWER AMP
D805 1SS133
D807 1SS244
R829 4.7k
R830 10k
R833 10k
R835 39
R837 39
D806 1SS133
D808 1SS244
PROTECT
R813 100
R821 100
F-LOUT
R845 2.2k
R843 2.2k
R851 2.7k
D821 1SS133
R857 47k
D870 1SS133
C831 1000p
R859 4.7k
+VCC
+10.5
C810 22/50
R812 10k
R816 390
R820 330
R824 330
R828 1k
D810 1SS133
R-BIAS+
R-BIAS-
F-ROUT
R804 22k
C804 2200p
R806 39k
R810 1.2k
C814 100/25
C818 560p
C820 560p
C822 560p
C824 560p
R842 1.2k
R848 10k
R850 4.7k
R863 4.7k
D816 1SS133
Q802 CMBT5401
Q806 CMBT5401
R826 39k
C816 2p
Q810 CC5551
C812 820p
R818 1.5k
D818 1SS133
Q818 2SA1514K (S)
D812 UZ6.2B
PR802 0
R846 2.2k
R852 4.7k
R854 4.7k
C808 100p
D802 1SS133
D804 1SS133
Q814 CC5551
D814 FMB-G16L
-VP
R832 47k
Q812 CC5551
Q804 2SC3052 F
Q808 2SC3052 F
Q816 2SK3053
-VH -VL SW.
C828 10/63
R844 2.7k
C806 10/50
R808 100
Q802, 804, 806, 808
POWER AMP
Q810, 812, 814
POWER AMP
R814 100
R822 100
R834 10k
R836 39
R838 39
-VL
-VH
-VP
CN801
F-L 18
GND 17
F-R 16
+VCC 15
L-BIAS+ 14
L-BIAS- 13
F-L OUT 12
PROTECT 11
R-BIAS+ 10
R-BIAS- 9
F-R OUT 8
GND 7
+VP 6
-VP 5
-VH 4
-VL 3
+VL 2
+VH 1
TO MAIN C.B (2/2) CN202
SIGNAL:
AUDIO (PB)

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

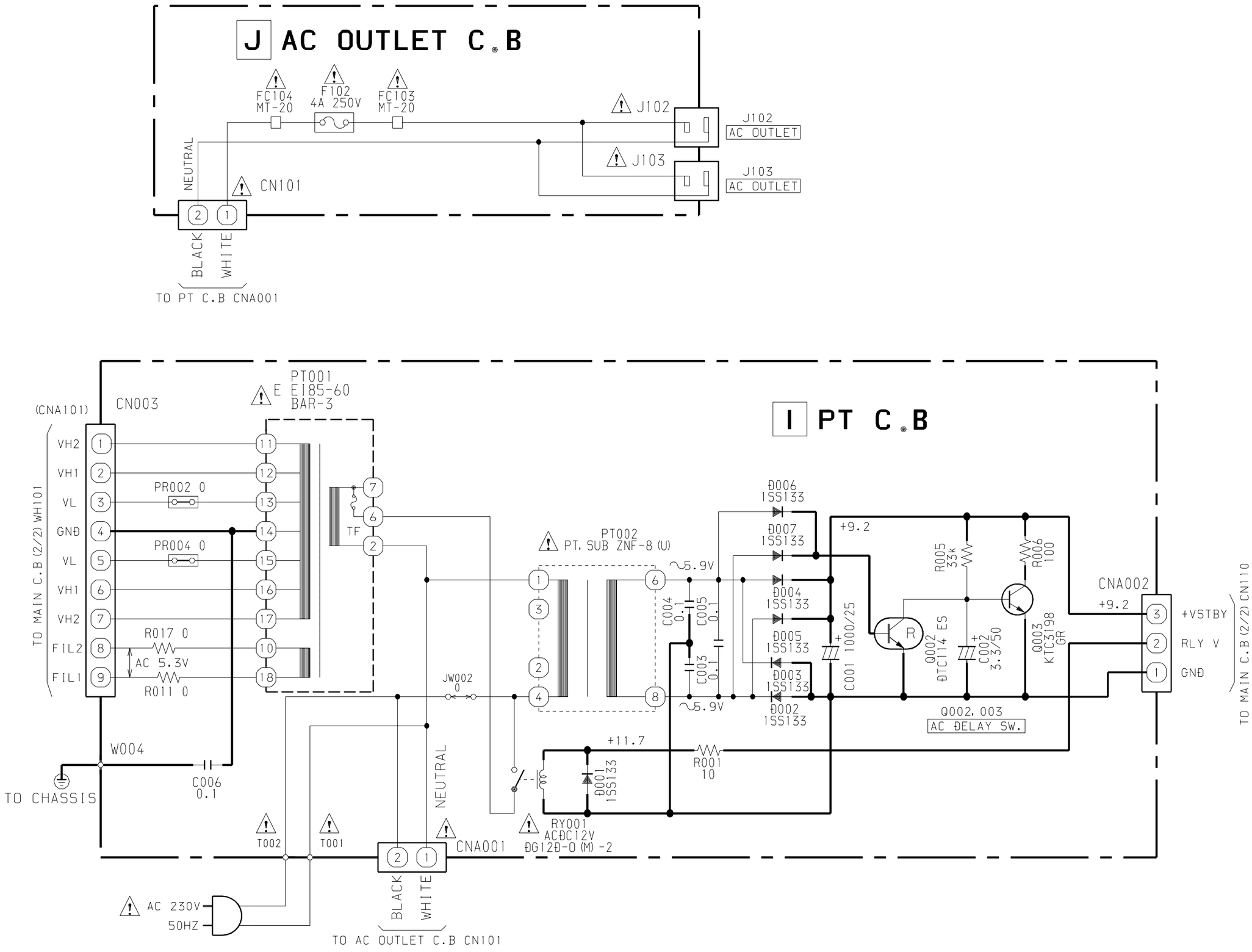
I PT C.B





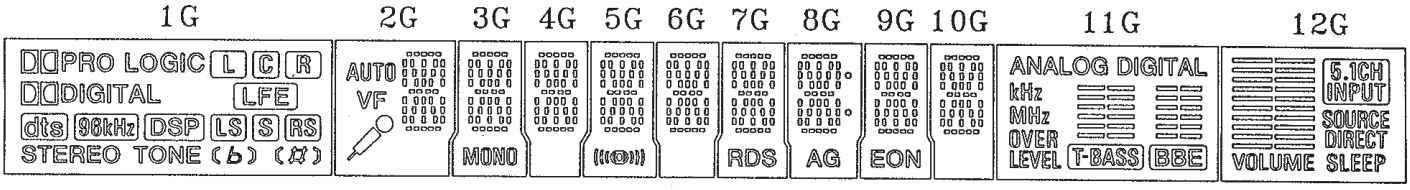
J AC OUTLET C.B

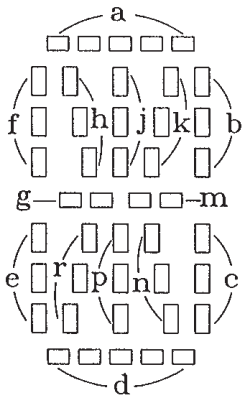
SCHEMATIC DIAGRAM – 8 (AC OUTLET / PT)



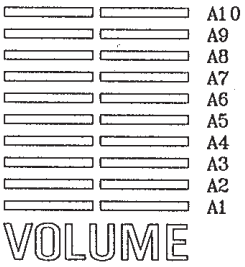
FL (HNA-12SM12 BAR-3) GRID ASSIGNMENT / ANODE CONNECTION

GRID ASSIGNMENT

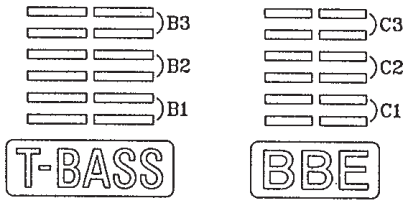




(2G ~10G)



(12G)



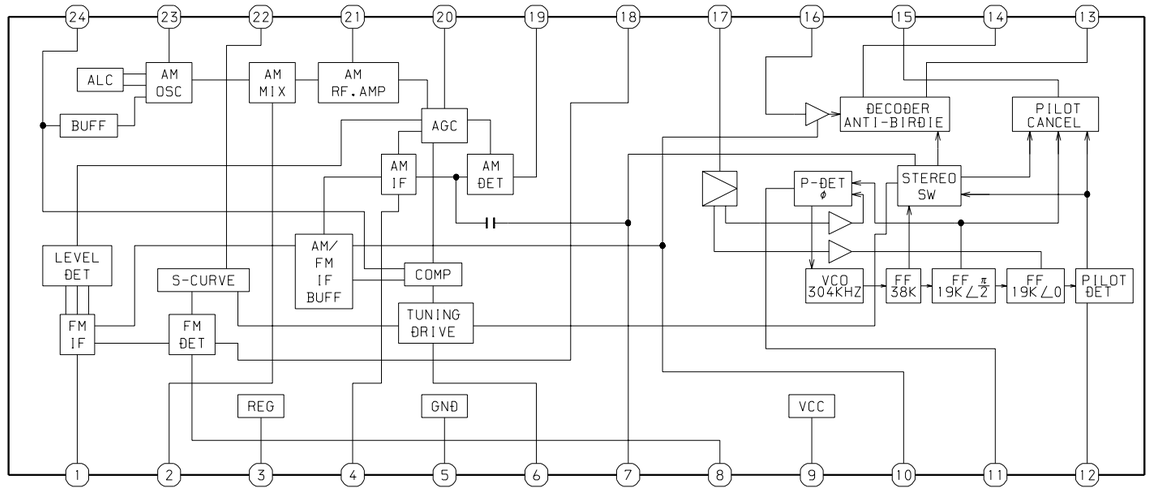
(11G)

ANODE CONNECTION

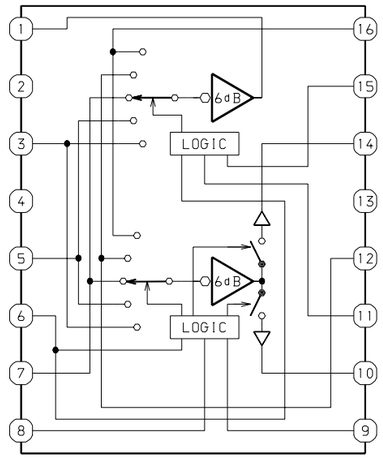
	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G
P1	L	d	d	d	d	d	d	d	d	d	ANALOG	A10
P2	C	n	n	n	n	n	n	n	n	n	DIGITAL	A9
P3	R	p	p	p	p	p	p	p	p	p	kHz	A8
P4	LFE	r	r	r	r	r	r	r	r	r	MHz	A7
P5	LS	e	e	e	e	e	e	e	e	e		A6
P6	S	c	c	c	c	c	c	c	c	c	B1	A5
P7	RS	g	g	g	g	g	g	g	g	g	B2	A4
P8	STEREO	m	m	m	m	m	m	m	m	m	B3	A3
P9	TONE	f	f	f	f	f	f	f	f	f	C3	A2
P10	dts	b	b	b	b	b	b	b	b	b	C2	A1
P11	♭ ♯	k	k	k	k	k	k	k	k	k	C1	VOLUME
P12	((♯))	j	j	j	j	j	j	j	j	j	BBE	SLEEP
P13	((♭))	h	h	h	h	h	h	h	h	h	T-BASS	
P14	DSP	a	a	a	a	a	a	a	a	a		
P15	96kHz	AUTO	MONO		((◉))		RDS	○(U)	EON		OVER LEVEL	SOURCE DIRECT
P16	PRO LOGIC	VF						○(L)				5.1CH INPUT
P17	DIGITAL							AG				

IC BLOCK DIAGRAM

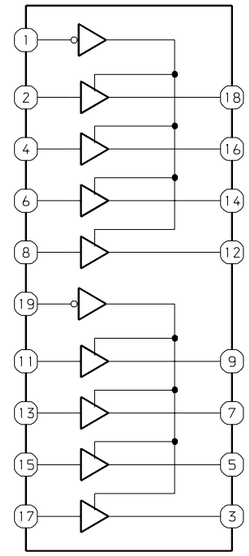
IC, LA1845L



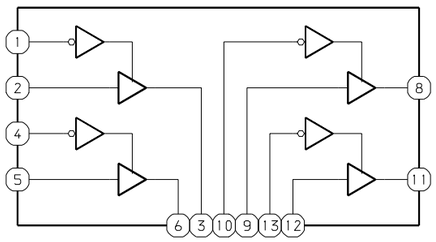
IC, BA7625



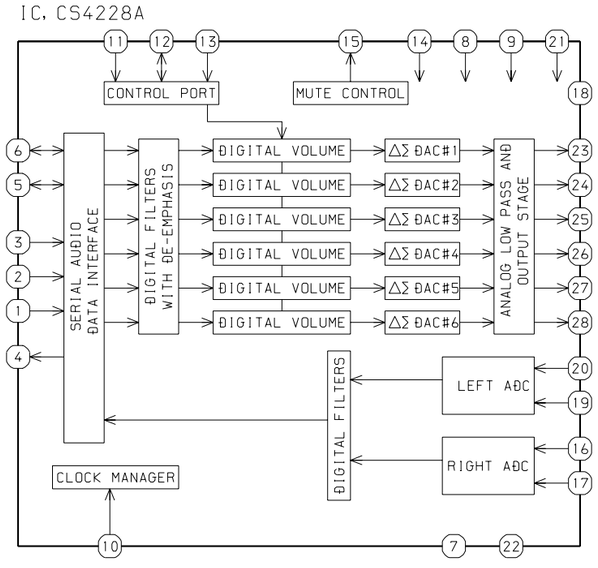
IC, SN74LV244A



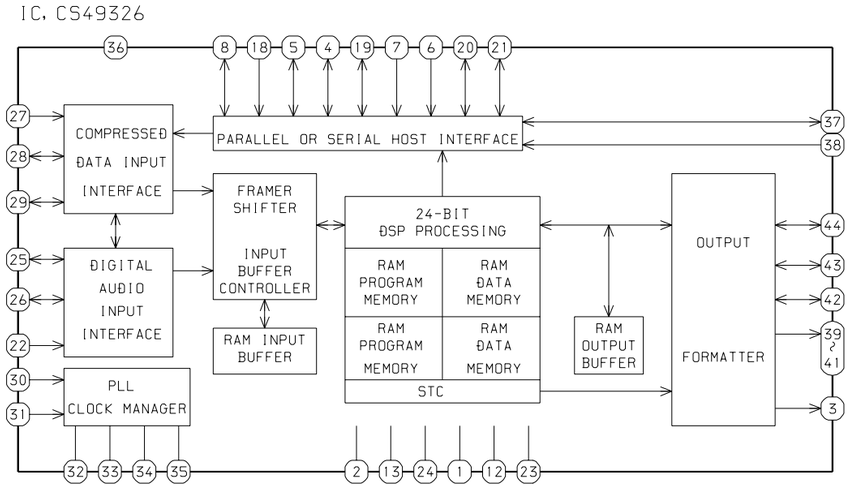
IC, SN74LV125APW



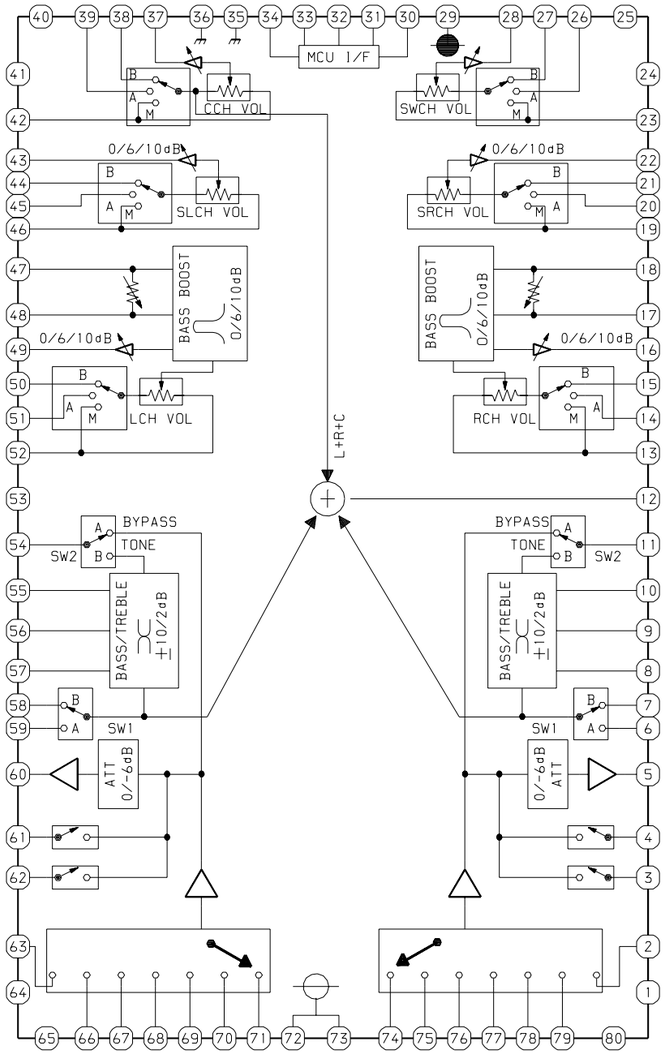
IC, CS4228A



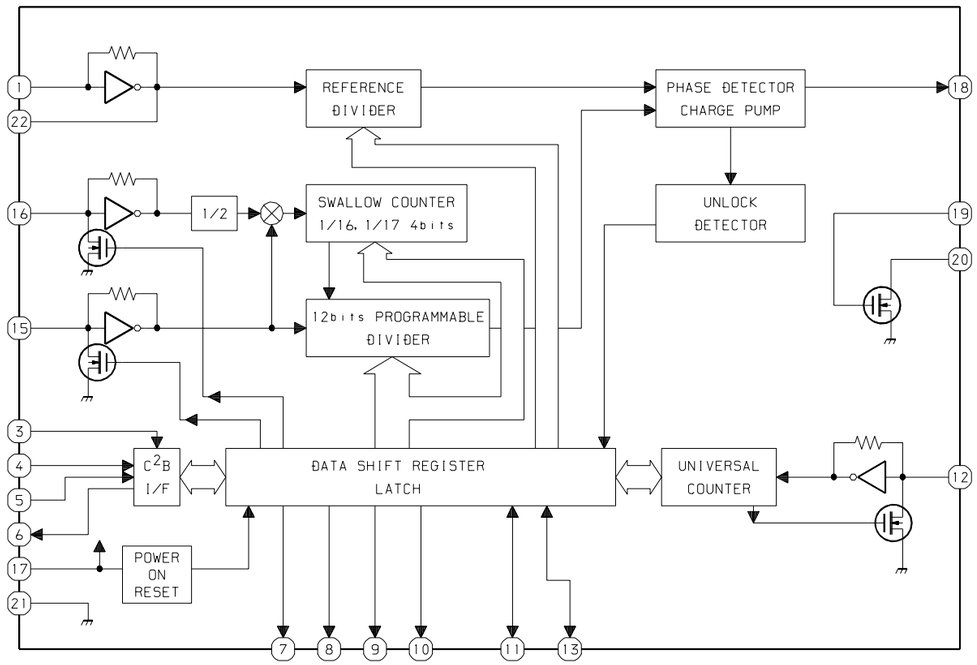
IC, CS49326



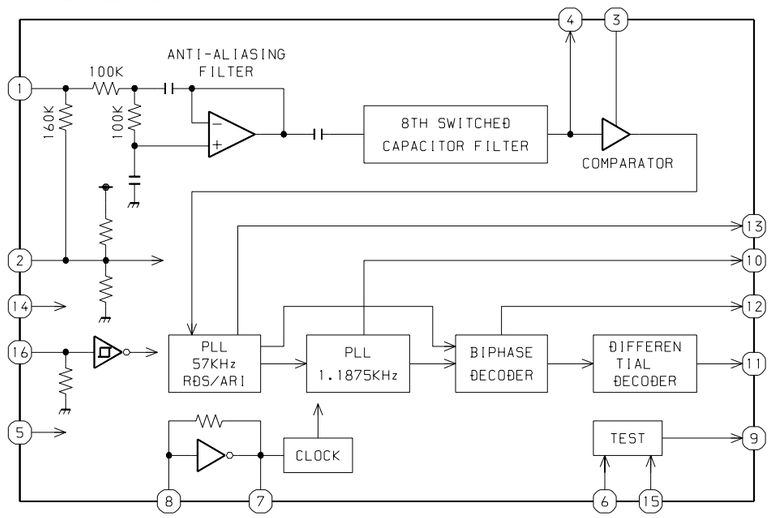
IC, M61501FP



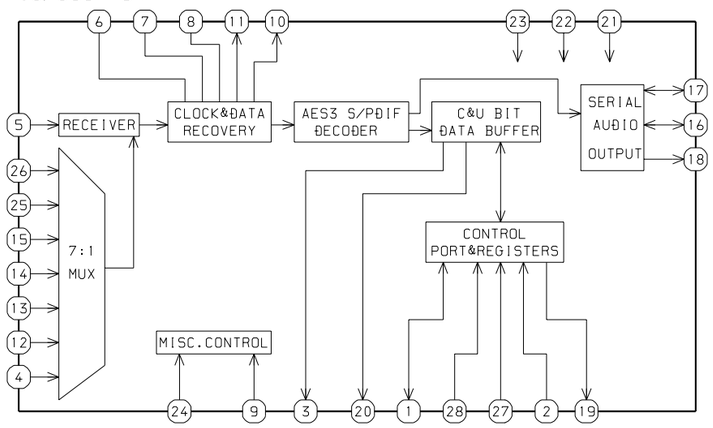
IC, LC72131Đ-N



IC, BU1920FS



IC, CS8415A



IC DESCRIPTION

IC, UPD780228GF-084

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{O-K-SCAN}}$	O	Switch scan timing output.
2	TUNER ON	O	Tuner ON/$\overline{\text{OFF}}$ output.
3	O-DATA(M)	O	Data output for sound.
4	C	-	Connected to a pulled up resistor.
5	O-STB(M)	O	Latch strobe output for sound control.
6	O-MUTE	O	System mute ON/$\overline{\text{OFF}}$ output..
7	O-CLK (M)	O	Clock output.
8	I-TM-BASE	I	Time-base single input.
9	O-$\overline{\text{POWER}}$	O	System power supply $\overline{\text{ON}}$/OFF output.
10	O-5VMRESET	O	Reset output for IC, CS8415A.
11	O-5VDSP/RESET	O	Reset output for IC, CS49326.
12	$\overline{\text{I-MIC}}$	-	Connected to a pulled up resistor.
13	O-5VDSP/CSN	O	Chip select output for IC, CS49326.
14	O-5VMOSI	O	Serial control data for IC, CS4228A.
15	O-2VMISO(MISO)/ SUR-MUTE	O	Serial control data output for IC, CS49326.
16	O-5VSCK/C-MUTE	O	Clock serial control output for IC, CS4228A.
17	IC	-	Connected to GND.
18	VSS	-	GND.
19	VDD+5V	-	Power supply input.
20	O-2VINTRQ	O	Control port interrupt request output for IC, CSA9326
21	O-CLK-SW	O	Pre-emphasis output for IC, CS8415A.
22	I-RDS-DATA	I	RDS serial data input.
23	O-5VMISO	O	Serial control data output for IC, CS8415A.
24	A	-	Connected to a pulled up resistor.
25	O-MCU/B	-	Connected to a pulled up resistor.
26	O-8415CSN	O	Chip select output for IC, CS8415A.
27	O-4228CSN	O	Chip select output for IC, CS4228A.
28	I-RDS-CLK	I	RDS clock input.
29	RERR	O	Receiver error output for IC, CS8415A.
30	$\overline{\text{RESET}}$	I	Reset input.
31	O-PLL-CE	O	PLL IC chip enable output for IC, LC72131D-N.
32	O-TAPE-ATT	O	ATT output for function tape.
33	O-STB (MIC)	-	Not used.
34	I-RMC	I	System remote control signal input.
35	O-STB (T92)	-	Connected to a pulled down resistor.
36	C-SHIFT	O	Micon clock shift output.
37	VDD1	-	Power supply input.
38,39	X2,X1	-	4.19 MHz oscillator circuit.
40	VSS1	-	GND.
41	AVDD	-	Power supply input.

Pin No.	Pin Name	I/O	Description
42	$\overline{\text{HOLD}}$	I	Power failure detected input "L" to stop and hold memory.
43	I-RE-VOL	I	Volume rotary encoder signal input (Main vol L & R).
44	RDS-SIG	I	RDS signal level input.
45	I-JOG2	I	Multi jog rotary encoder signal input.
46	I-FU-JOG1	I	Function rotary encoder signal input.
47,48	I-KEY2,1	I	Key input (A/D).
49	$\overline{\text{I-TUNE/IFC}}$	I	Tune-IF count serial data input.
50	AVSS	-	GND.
51,52	BBE1,2	O	BBE boost level control signal output.
53	TAPE-MON	O	Tape monitor control signal output.
54	$\overline{\text{ECO}}$	O	ECO LED $\overline{\text{ON}}$/OFF output.
55,56	AV-B,A	O	VIDEO - SW control signal output.
57	SW-RELAY	O	Relay switch $\overline{\text{ON}}$/OFF output.
58	SUB ON/OFF	O	Sub-woofer ON/$\overline{\text{OFF}}$ output.
59	NC	-	Connected to GND through a resistor.
60	VIDEO1	O	VIDEO1 LED $\overline{\text{ON}}$/OFF output.
61	VIDEO2	O	VIDEO2 LED $\overline{\text{ON}}$/OFF output.
62	VIDEO3	O	VIDEO3 LED $\overline{\text{ON}}$/OFF output.
63	I-HP-MUTE	I	Headphone mute detected input.
64	$\overline{\text{CD}}$	O	CD LED $\overline{\text{ON}}$/OFF output.
65	$\overline{\text{AUX}}$	O	AUX LED $\overline{\text{ON}}$/OFF output.
66	$\overline{\text{TAPE-MON}}$	O	TAPE MONITOR LED $\overline{\text{ON}}$/OFF output.
67	$\overline{\text{TUNER}}$	O	TUNER LED $\overline{\text{ON}}$/OFF output.
68	$\overline{\text{PHONO}}$	O	PHONO LED $\overline{\text{ON}}$/OFF output.
69	I-$\overline{\text{STEREO}}$	I	Tuner stereo detected input.
70~72	P1~P3	O	FL segement P1~P3 output.
73	LW/P4	I/O	LW data input to diode / FL segement P4 output.
74	RDS/P5	I/O	RDS data input to diode / FL segement P5 output.
75	$\overline{\text{BBE}}$/P6	I/O	BBE data input to diode (Not used) / FL segement P6 output.
76	AMST/WIDE/P7	I/O	AM stereo, wide band data input to diode (Not used) / FL segement P7 output.
77	AM10K/P8	I/O	AM10K data input to diode (Not used) / FL segement P8 output.
78	KARAOKE/P9	I/O	KARAOKE data input to diode (Not used) / FL segement P9 output.
79	VDD2	-	Power supply input.
80	-VFL	-	Power supply input for FL display.
81~88	P10~P17	O	FL segment P10~P17 output.
89~100	G12~G1	O	FL grid G12~G1 output.

ADJUSTMENT <TUNER / FRONT>

< TUNER SECTION >

1. Clock frequency Check
   Settings : • Test point : TP2 (CLK)
   Method : Set to MW 1602kHz and check that the test point is 2052kHz ± 45Hz.

2. MW VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to MW 1602kHz and check that the test point is less than 8.0V. Then set to MW 531kHz and check that the test point is more than 0.6V.

3. MW Tracking Adjustment
   Settings : • Test point : TP8(Rch), TP9(Lch)
   • Adjustment location :
   L951(1/3) 999kHz
   Method : Set to MW 999kHz and adjust L951(1/3) so that the test point is maximum.

4. AM IF Adjustment
   Settings : • Test point : TP8(Rch), TP9(Lch)
   • Adjustment location :
   L802 ..... 450kHz

5. FM VT Adjustment
   Settings : • Test point : TP1(VT)
   • Adjustment location : L907
   Method : Set to FM 108.0MHz and adjust L907 so that the test point becomes 7.0V ± 0.05V. Then set to FM 87.5MHz and check that the test point is more than 0.5V.

6. LW VT Adjustment
   Settings : • Test point : TP1(VT)
   • Adjustment location : L942
   Method : Set to LW 144kHz and adjust L942 so that the test point becomes 1.3V ± 0.05V. Then set to LW 290kHz and check that the test point is less than 8.0V.

7. FM Tracking Adjustment
   Settings : • Test point : TP8(Rch), TP9(Lch)
   • Adjustment location : L901,902,904,905
   Method : Set to FM 98.0MHz and adjust L901,902,904,905 so that test point is maximum and distortion is minimum.

8. FM Tracking Check
   Settings : • Test point : TP8(Rch), TP9(Lch)
   Method : Set to FM 98.0MHz and check that the test point is less than 13dBµV.

9. LW Tracking Adjustment
   Settings : • Test point : TP8(Rch), TP9(Lch)
   • Adjustment location :
   L941 ..... 144kHz
   TC942 ..... 290kHz
   Method : Set up TC942 to center before adjustment. The level at 144kHz is adjusted to maximum by L941. Then the level at 290kHz is adjusted to maximum by TC942.

10. DC Balance / Mono Distortion Adjustment
    Settings : • Test point : TP3, TP4 (DC Balance)
    : TP8(Rch), TP9(Lch) (Distortion)
    • Adjustment location : L801
    • Input level : 60dBµV
    Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V ± 0.5V with distortion less than 1.3%.

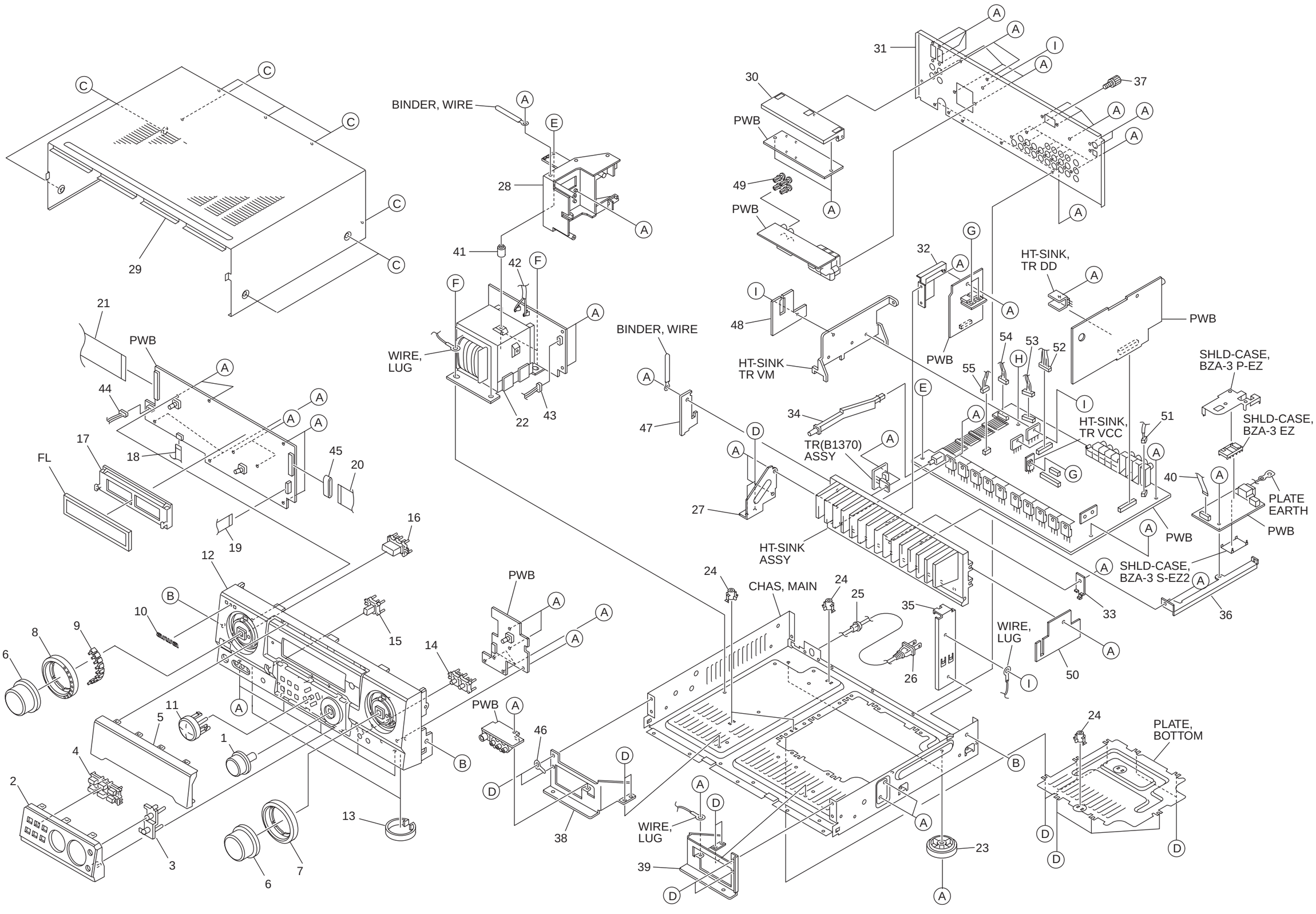
11. Output Level Check
    <MW>
    Settings : • Test point : TP8(Rch), TP9(Lch)
    • Input level : 74dBµV
    Method : Set to MW 999kHz and check that test point is 55mV ± 3dB.

    <FM>
    Settings : • Test point : TP8(Rch), TP9(Lch)
    • Input level : 60dBµV
    Method : Set to FM 98.0MHz and check that test point is 270mV ± 3dB.

< FRONT SECTION >

1. µ-CON OSC Adjustment
   Settings : • Test point : TP1 (O-K-SCAN) and GND
   • Adjustment location : L101
   Method : Insert AC plug while pressing TUNER function key. Adjust L101 so that the frequency at the test point is 78.52Hz ± 0.08Hz (12.723ms ~ 12.749ms).

MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-AR1-065-010		KNOB,RTRY JOG
2	8B-AR3-032-010		PANEL,FR EZ
3	8B-AR1-060-010		KEY,ENTER
4	8B-AR3-052-010		KEY,T-BASS 3EZ
5	8B-AR3-001-010		WINDOW,DISP DD RDS
6	8A-AR3-045-110		KNOB,RTRY VOL
7	8A-AR3-007-010		RING,VOL
8	8A-AR3-047-010		RING,FUN
9	8A-AR3-009-010		REFLECTOR,FUN
10	87-CE3-023-010		BADGE,AIWA 30N SILV
11	8B-AR1-055-010		KEY,SOUND
12	8B-AR3-022-010		CABI,FR EZ
13	8Z-AR1-020-110		RING,FOOT SIL
14	8A-AR3-024-010		KEY,BAL
15	8A-AR3-020-010		KEY,ECO
16	8B-AR1-001-010		KEY,POWER
17	8B-AR1-211-010		GUIDE,FL 150-25
18	88-908-101-110		FF-CABLE, 8P 1.25 10MM
19	88-906-061-110		FF-CABLE,6P 1.25 60MM
20	88-919-331-110		FF-CABLE,19P 1.25 330MM
⚠ 21	88-930-441-110		FF-CABLE,30P 1.25 440MM
⚠ 22	8B-AR3-625-010		PT,E EI85-60 BAR-3
23	8B-AR1-003-010		FOOT,RAER BLK
24	88-AR1-218-010		HLDR,PWB H8.9
25	87-085-185-010		BUSHING, AC CORD (E)
⚠ 26	87-A80-092-010		AC CORD ASSY,E BLK SUN FAI
27	8B-AR1-206-010		HLDR,HT-SINK
28	8B-AR1-217-010		HLDR,SUB P/T
29	8B-AR2-045-110		CABI,STEEL
30	8B-AR1-214-110		HLDR,PWB AC-OUTLET
31	8B-AR3-042-110		PANEL,REAR EZBM
32	8B-AR1-215-110		HLDR,PWB F AMP
33	8B-AR1-209-010		HLDR,PWB MAIN
34	8B-AR1-006-010		BTN,SP
35	8B-AR1-205-110		HLDR,PWB DD
36	8B-AR3-219-010		HLDR,PWB TUNER 3
37	87-033-209-010		TERMINAL, EARTH
38	8B-AR1-208-010		HLDR,SIDE L
39	8B-AR1-207-010		HLDR,SIDE R
40	88-912-131-110		FF-CABLE,12P 1.25 130MM
41	8B-AR1-216-010		HLDR,P/T H8.0
42	8B-AR4-651-010		CONN ASSY,2PAC-OUTLET
43	88-805-033-690		CONN ASSY,3P 300
44	88-805-036-010		CONN ASSY,3P
45	87-A90-762-010		F-BEAD,3407MFT
46	87-450-414-010		TERMINAL,LB4 NI
47	8B-AR1-618-110		PWB,FFC2 BAR-1
48	8B-AR1-619-110		PWB,FFC3 BAR-1
49	8B-AR3-218-010		RIVET,NYL 3.4-5.7
50	8B-AR1-617-110		PWB,FFC1 BAR-1
51	8B-AR3-648-110		CONN ASSY,2P-VIDEO3
52	8A-AR3-654-010		CONN ASSY,9P VH
53	8B-AR1-660-010		CONN ASSY,6P VH(BAR)
54	8B-AR3-665-010		CONN ASSY,4P VH(BAR)
55	8Z-NFT-604-110		CONN ASSY,3P SURR
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-721-095-410		QT2+3-8GLD W/O SLOT
C	87-067-641-010		UTT2+3-8(W/O SLOT)BL
D	87-067-584-010		TAPPING SCREW, BVT2+3-6
E	87-067-581-010		TAPPING SCREW, BVT2+3-15
F	87-078-200-010		S-SCREW,ITC+4-8 R
G	87-067-579-010		TAPPING SCREW, BVT2+3-8
H	87-067-632-010		TAPPING SCREW, BVT2+3-15
I	87-067-958-010		BVTT+3-10

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-AR3-906-010		IB,EZ(9L)M
2	87-006-226-010		ANT,LOOP AM
3	87-A90-118-010		ANT,WIRE FM(Z)
4	8A-AR2-701-110		RC UNIT,RC-AAR02 BLK

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111

9620450 921338 Printed in Singapore